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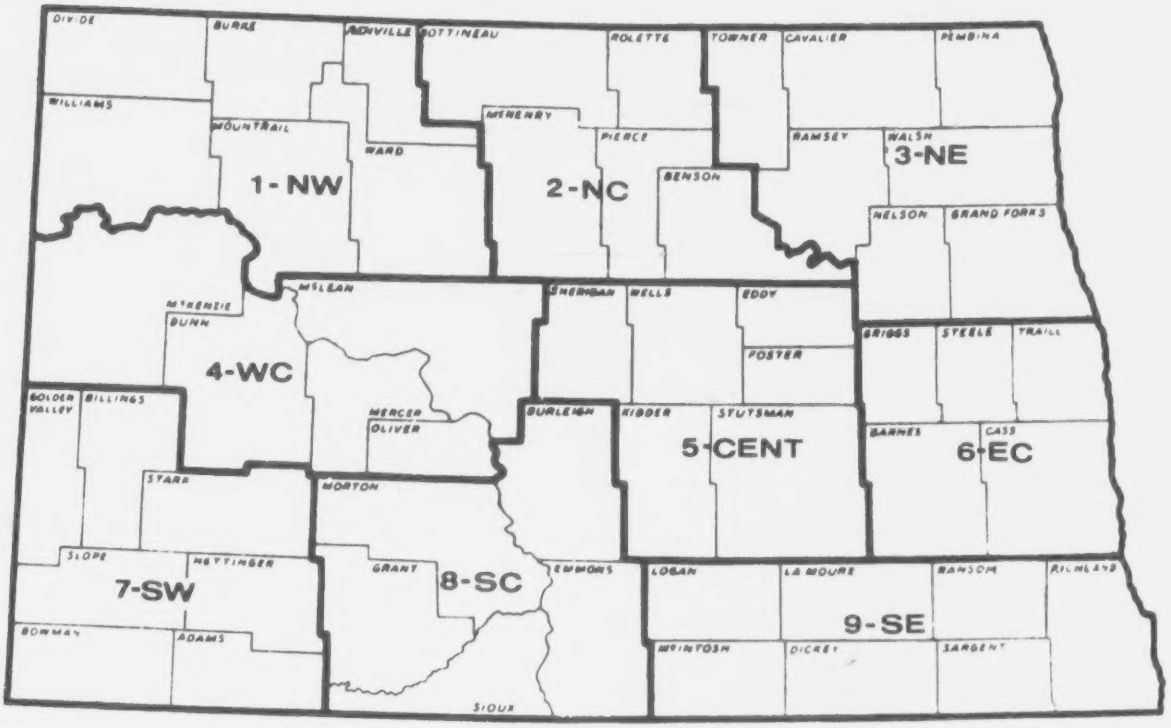
NORTH DAKOTA AGRICULTURAL STATISTICS 1990

Ag Statistics No. 59
June 1990

NORTH DAKOTA AGRICULTURAL STATISTICS DISTRICTS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TOWNER
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MOUNTRAIL
WARD
McHENRY
PIERCE
BENSON
RAMSEY
WALSH
1 - NW
2 - NC
3-NE
NELSON
GRAND FORKS
McKENZIE
DUNN
McLEAN
SHERIDAN
WELLS
EDDY
FOSTER
GRIGGS
STEELE
TRAILL
4-WC
GOLDEN VALLEY
BILLINGS
MERCER
OLIVER
BURLEIGH
KIDDER
STUTSMAN
BARNES
CASS
5-CENT
6-EC
STARK
MORTON
SLOPE
HETTINGER
GRANT
8-SC
EMMONS
LOGAN
LA MOURE
RANSOM
RICHLAND
7-SW
9-SE
BOWMAN
ADAMS
McINTOSH
DICKEY
SARGENT
SIOUX

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NORTH DAKOTA AGRICULTURAL STATISTICS

1990

Issued cooperatively by

NORTH DAKOTA STATE UNIVERSITY	U.S. DEPARTMENT OF AGRICULTURE
H. Roald Lund, Director Agricultural Experiment Station	Clayton Yeutter, Secretary of Agriculture
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Compiled by

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TABLE OF CONTENTS

Subject	State Data	County Data
Comments from State Statistician	4	
Comments from State Cooperators	5	
North Dakota Agricultural Experiment Station Centennial Section	6-8	
INTRODUCTORY STATISTICS	9-26	
North Dakota's National Rank	10, 11	
Rank of Counties	12	
Income & Expenses	13-14	
Assets & Debt	15	
Number of Farms, Size and Land Area	16	
Land Value & Rent	16	17-18
Planting and Harvesting Progress, 1989	19, 20	
Growing Season	21, 22	
Weather	23-26	
CROPS	27-134	
Summary	28-29	
Historic Acreage, Production, Price & Value	30-33	
Stocks of Grain & Hay	34-35	
Storage Capacity	35	
Potatoes	36	
Varieties: Barley and Wheat	37-38	

Individual Commodity Statistics

Subject	State Data	County Data
Barley	30, 34, 38	72-81, 122-127
Corn	32, 35, 121	103-108, 128-129
Dry Edible Beans	31, 121	115-117
Flaxseed	31, 35	96-99
Hay, Alfalfa	33	109-114
Other	33	109-114
All	33, 35	109-114
Oats	30, 34	92-95
Potatoes	33, 36, 121	118-120
Rye	31, 35	100-102
Soybeans	32, 35, 121	118-120
Sugarbeets	31, 121	118-120
Sunflower, Oil & Non-Oil	32	86-91
All	32, 35	82-85
Wheat, Durum	30, 34, 37	59-68, 122-127
Spring Wheat other than Durum	30, 37	49-58, 122-127
Winter	30, 38	69-71
All	30, 34	39-48, 122-127

TABLE OF CONTENTS - Continued

CROPS CONTINUED

Subject	State Data	County Data
Planted Acres Graphs	121	
Irrigation: Wheat, Barley, Corn		122-129
Summer Fallow		130
5-Year Average, Major Crops		131-133
Farm Marketings, Percent Sold by Month	134	
LIVESTOCK, DAIRY, POULTRY	135-147	
Summary	136	
Number of Livestock Farms	136	
Slaughter	136	
Cattle and Calves	137	143, 147
Dairy	138-139	144, 147
Hogs	140	145, 147
Sheep	141	146, 147
Poultry and Honey	142	
Meat Animals, Production & Income	147	
PRICES	149-153	
Summary	150	
Indexes	150	
Field Crops	151-153	
Livestock	152	
MISCELLANEOUS	155-165	
Fertilizer Consumption and Use	156	
Value of Export Shares	156	
Custom Rates	157	
State Statistical Offices	158	
Order Forms - Agricultural Statistics Reports		
National NASS Reports	159-160	
North Dakota NASS Reports	161	
ND Agricultural Statistics Annual Bulletin	163	
Where to Find Historic Estimates	165	

COMMENTS FROM THE STATE STATISTICIAN

It is a pleasure to present the 33rd annual summary entitled "North Dakota Agricultural Statistics, 1990". This annual summary includes information on crop production, livestock numbers, farm income, prices, land values, rents and weather. It also contains county estimates for major crop and livestock items and a special section commemorating the North Dakota Agricultural Experiment Station's Centennial.

This 1990 Edition includes any revisions made to historic estimates for the years 1984 through 1987, following the 1987 Census of Agriculture. No revisions were made to any of our 1983 North Dakota estimates and final estimates for 1983 can be found in bulletin number 54, published in June, 1985. The inside of the back cover provides a good reference table showing where to find our historic estimates.

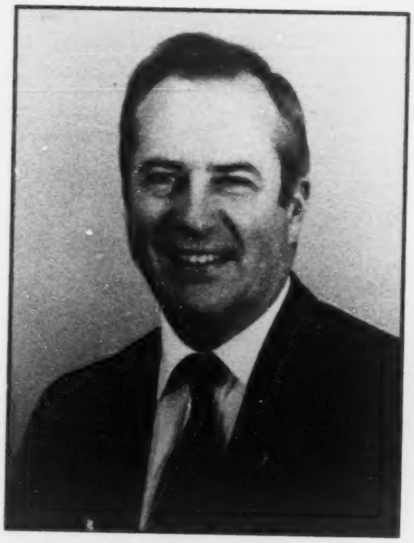
This report is made possible through the cooperative efforts and funding of the National Agricultural Statistics Service of the United States Department of Agriculture and the North Dakota State University Agricultural Experiment Station and Extension Service. Other contributors include the National Weather Service, North Dakota Wheat Commission, American Malting Barley Association, Inc., North Dakota Public Service Commission and North Dakota State Land Department.

I wish to express my sincere thanks to the many North Dakota farmers, ranchers and agribusiness people who voluntarily provide the basic data from which the official estimates are established. My gratitude is also extended to the County Extension Agents and their staff, as well as other University staff, State and Federal agencies.

Finally, a special thanks to the field enumerators and telephone enumerators who are a vital link in our data gathering process, and to all members of my office staff for their excellent work and continued dedication in preparing this publication.

Steven D. Wiyatt

Steven D. Wiyatt
State Statistician



In 1990, the North Dakota Agricultural Experiment Station celebrates 100 years of service to the agricultural economy of this State. During the past century we saw some of the very best periods in production agriculture, and some of the most difficult. As we begin our second 100 years, we look forward to a period of sustainable and profitable agriculture.

Next Century Agriculture has its roots in managing information in ways that produce new insights on how to make a profitable bottom line. For example, new opportunities could be identified by studying trends in crop production, or by analyzing range and livestock changes.

I believe that the successful operator of the future will include the skilled management of information. This data book is an important resource, could open the doors to everlasting opportunities. Give it a try!

Sincerely,

H R Lund

H. Roald Lund, Dean and Director
N.D. Agricultural Experiment Station

COMMENTS FROM STATE COOPERATORS

I am pleased to bring you this 1990 issue of NORTH DAKOTA AGRICULTURAL STATISTICS. This wealth of information is available to farmers and ranchers because of the close partnership of Federal and State agencies, and it is an important contribution to the State's progress in economic informatics.

As agriculture in North Dakota becomes more complex and economic success requires increasingly intensive management, the need for accurate data becomes more imperative as well. I trust the wide range of information included in this bulletin will suit the information needs of your operation.

The motto of the North Dakota State University Extension Service is "Helping You Put Knowledge To Work." I hope this NORTH DAKOTA AGRICULTURAL STATISTICS contributes to the quality of life for your family and community. Please use it to your best advantage.

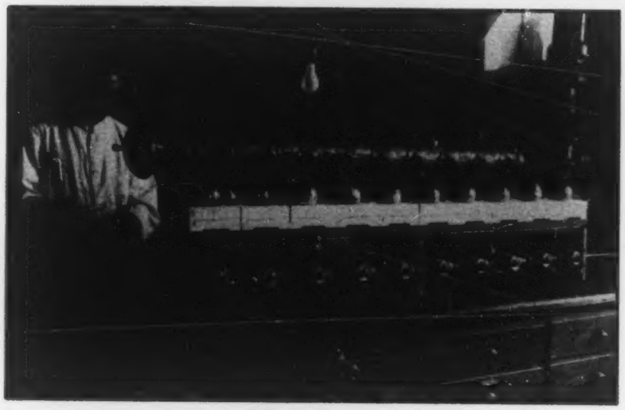
W. H. Pietsch

William H. Pietsch, Director
NDSU Extension Service

This 1990 edition of North Dakota Agricultural Statistics commemorates the North Dakota Agricultural Experiment Station's first 100 years, as we look ahead to the next century of North Dakota agricultural research.

For the Land and its People
NORTH DAKOTA AGRICULTURAL EXPERIMENT STATION
celebrates a century of service and progress
1890-1990

In 1990, the North Dakota Agricultural Experiment (NDAES)begins its second century. For 100 years, often under tough economic circumstances, the station's scientists have served the state, developing new crop varieties, improving livestock, and finding new and more economical ways to produce, manage, process and market North Dakota agricultural products. To measure the remarkable success of this investment in research, one needs only to look at North Dakota's leadership among states in crop production, summarized in this publication. More than 120 new crop varieties have been produced by NDAES in the past century. If you grow spring wheat, durum, barley, oats, flax, potatoes, sunflowers, corn or dry edible beans, you probably grow varieties developed and tested by NDAES scientists.



Agronomy Lab, Testing for Protein, 1928

Selected events from North Dakota's first century of agricultural research

Williston Substation, 1912

1887

U.S. Congress passes the Hatch Act providing funds to states to establish agricultural experiment stations, beginning a federal-state partnership that will bring dramatic changes in agriculture, bettering the lives of millions of people throughout the world.

1890

The first Legislative Assembly of the new State of North Dakota establishes an agricultural experiment station.

C.B. Waldron, a botanist and the station's first employee, begins 55 distinguished years of service to the NDAC.

H.L. Bolley, hired as first plant pathologist, will develop a chemical seed treatment for cereal smuts; discover the cause for flax wilt; reveal the common barberry served as a host for stem rust of wheat; and become the state's first seed commissioner.

1895

John Henry Worst named NDAC president. Under Worst, the NDAES reaches out to farmers and ranchers, setting up demonstration farms, conducting farmers' institutes and short courses, sponsoring seed trains and demonstrations, and working with early agents of what will become the Cooperative Extension Service in 1914. Today, Station and Extension work together for the people of North Dakota.

1900

John Shepperd receives a gold medal at the Paris World Exposition for his plant breeding work. His promotion of livestock leads to improvement of animal quality in the state.

"The station has been engaged historically in economic development. It's something we often forget...but it has put more money into the pockets of North Dakotans than any other agency in the history of the state."

David Danbom, NDSU historian and author of *Our Purpose is to Serve: The First Century of the North Dakota Agricultural Experiment Station*

1902
Leunis Van Es joined the NDAES. His accomplishments will include working out a tuberculin test for avian tuberculosis, control programs for diseases in horses and cattle, and extensive work with hog cholera.

1903
Edwin Ladd steers passage of North Dakota's pure food law three years before federal law is passed and, in 1905, is named the state's first food commissioner. His milling and baking studies raise questions about grain grading practices, leading to the federal Grain Inspection Act, passed in 1916.

1905
Department of Milling and Baking created by the State Legislature to provide a service for the producers of hard red spring wheat. Today, the Department of Cereal Science and Food Technology, its research is recognized worldwide.

Dickinson Experiment Station established. A network of research centers across the state permits testing under actual growing conditions.

NEW VARIETIES OF GRAIN
YIELDS ARE MORE CERTAIN AND MORE PROFITABLE BECAUSE OF THESE IMPROVED VARIETIES

New Varieties Exhibit, 1926

1919
Department of Agricultural Economics publishes first bulletin on costs and agricultural practices gathered under actual farm conditions.

1922
First tomato variety, North Dakota *Earliana,* released. Nearly two dozen varieties have been released by the NDAES since 1972.

1926
Ceres wheat released.

1929
Glenn Smith hired as durum wheat breeder; he develops four durum and three hard red spring wheat varieties.

1932
Buttercup squash released. It remains the main variety of winter squash grown in the USA.

Corn Day, 1926

1933
Sweet clover poisoning first recognized and described.

1938
Research on durum wheat quality begins. Today, NDSU is the major center for durum wheat research in the U.S., and North Dakota leads the nation in durum wheat production.

1942
The first of many early-maturing corn hybrids released.

1947
First state-supported barley malting quality laboratory in the United States established at NDSU.

1948
Nodak System, the first mound-type sewage drain field, designed and installed. Drain fields of similar design are now used worldwide on low permeability soils. Agronomy Seed Farm established at Casselton for the production of foundation seed.

Hauling Grain on NDAC Campus

1954
When a devastating stem rust outbreak threatens the state's wheat crop, the station quickly identifies resistant strains, releasing *Langdon, Ramsey, Yuma* and *Towner* durum.

1957
New director Arlon Hazen emphasizes practical production-oriented research that helps innovative farmers thrive.

Traill, the first malting barley, and *Norland,* the most popular early red potato grown in North Dakota, released.

1960s and 1970s
NDAES broadens its role, investigating issues of environmental protection and preservation, wetlands management, strip-mined land reclamation, conservation-conscious tillage, renewable alternatives to fossil fuels, and economic development.

1964
First center pivot irrigation system in North Dakota installed at the Carrington Station.

1968
Norchip potato releases. This variety has made the Red River Valley the center of U.S. chipping potato production.

1981
NDAES breeders identify and incorporate "early drydown" gene system in corn.

Flax variety released that is first in the U.S. to combine two genes for resistance to flax rust.

1983
Northern Crops Institute established at NDSU. This regional organization acquaints domestic and foreign buyers with northern-grown crops.

Weighing Potatoes, 1937

1986
Stepped-up soybean breeding program begins.

1988
Germplasm which contains an enzyme system to allow potatoes to be chipped cold out of storage identified.

1989
Ground broken for construction of an $8.1 million weed science and technology center. Institute for Business and Industry development established to help in state economic development.

What does the future hold for agricultural research?

Today, NDAES Scientists Apply the Newest Technology to Agricultural Research

Coming generations will feel the impact of biotechnology as agricultural scientists develop "designer" plants, genetically engineered to resist insect pests and diseases; biotechnology-produced vaccines that protect animals against disease; and crops resistant to herbicides. The NDAES can look forward to an expanding agenda as it is called upon to address such issues as concern for economic development, water quality and environmental protection, and the health and safety of the U.S. food supply. We can expect new research efforts to help North Dakota move forward in:

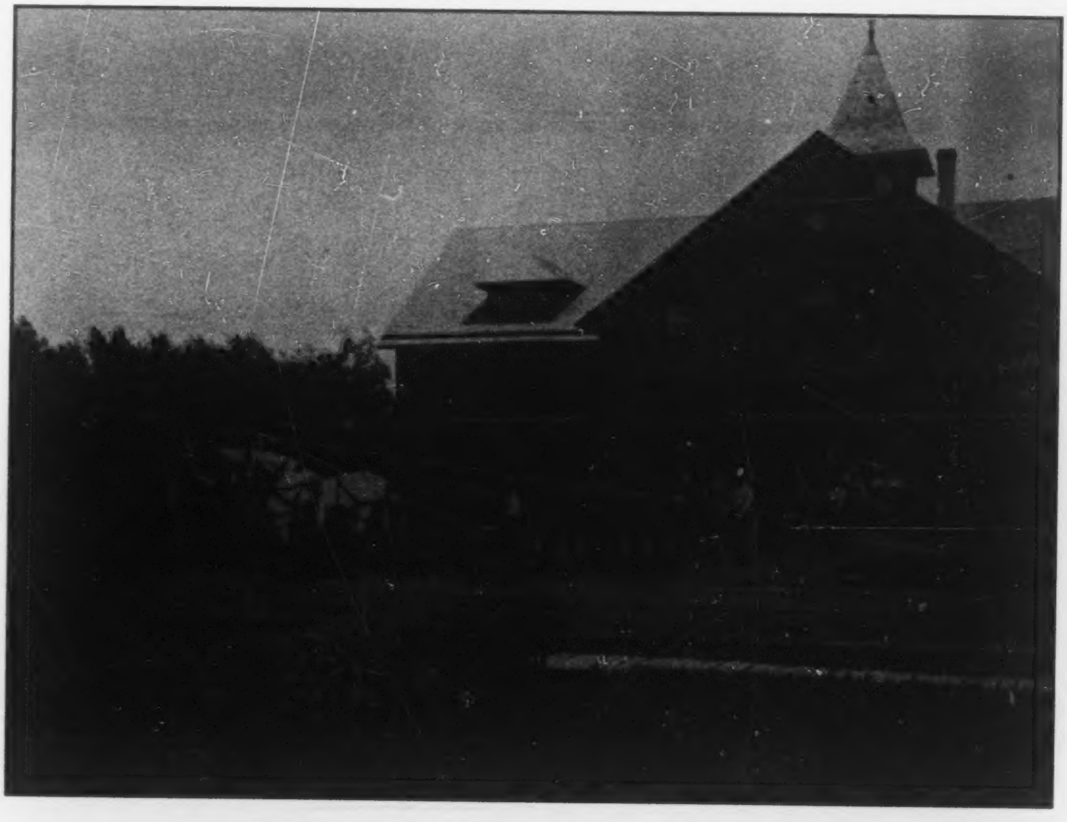
- food safety
- global markets
- processing and "value added" products derived from North Dakota crops and livestock
- rural revitalization and economic development
- protecting ground water and the environment
- crop diversification
- new crop varieties resistant to weeds, insects and disease
- reduction of the use of agricultural chemicals
- animal and range management techniques.

"We wish to impress upon ... the farmers of the state that this institution belongs exclusively to them ... that in its work their desires and interests will be constantly furthered, and that their interest assistance and suggestions are earnestly desired, solicited and expected."

Horace Stockbridge,
1891, First Director, NDAES

INTRODUCTORY STATISTICS

NORTH DAKOTA'S RANK AMONG STATES
RANK OF COUNTIES
FARM INCOME
REAL ESTATE
WEATHER



Horse Barn on NDAC Campus, 1910

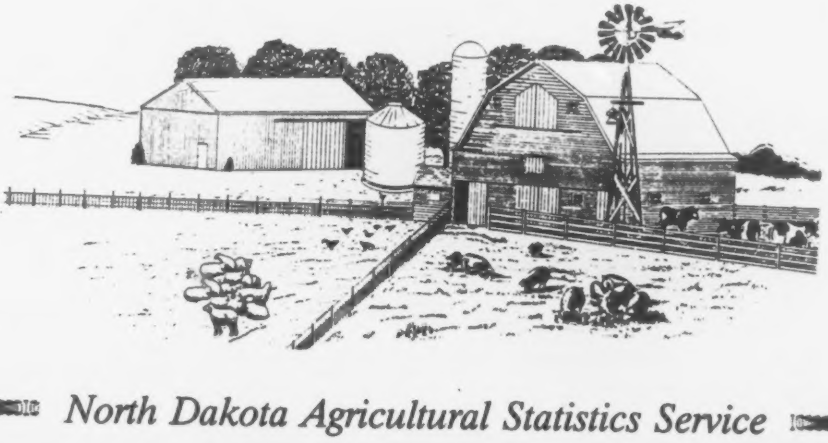
Summary of

NORTH DAKOTA'S RANK IN AGRICULTURE

NORTH DAKOTA'S 1989 CROP RANK AMONG STATES

NORTH DAKOTA RANKS... **NORTH DAKOTA PRODUCES...**

1ST IN	ALL WHEAT	12%
	OTHER SPRING WHEAT	36%
	DURUM WHEAT	72%
	BARLEY	24%
	SUNFLOWER	69%
	FLAXSEED	72%
2ND IN	NAVY BEANS	14%
3RD IN	PINTO BEANS	17%
	TOTAL CROPLAND - 1987 CENSUS	6%
	AREA PLANTED - PRINCIPAL CROPS	7%
4TH IN	SUGARBEETS	11%
	RYE	8%



5/90

North Dakota Agricultural Statistics Service

THE 10 LEADING STATES AND NORTH DAKOTA'S RANK

Item	1	2	3	4	5	6	7	8	9	10	North Dakota's Rank	Percent of Nation
CROP PRODUCTION - 1989												
Corn for Grain	IA	IL	NE	MN	IN	OH	WI	MI	MO	SD	22	*
Corn for Silage	WI	NY	PA	MN	IA	CA	NE	MI	SD	OH	22	1
Winter Wheat	KS	OK	IL	MO	WA	OH	TX	CO	ID	NE	38	16
Durum Wheat	ND	CA	AZ	MT	SD	MN	--	--	--	--	1	72
Other Spring Wheat	ND	MN	MT	SD	WA	ID	OR	CO	UT	NV	1	36
All Wheat	ND	KS	OK	MT	WA	IL	MN	ID	MO	SD	1	12
Oats	IA	WI	MN	SD	ND	MI	IL	OH	PA	NY	5	5
Barley	ND	MT	ID	MN	WA	SD	CA	CO	OR	UT	1	24
Rye	SD	GA	MN	ND	[illegible]	SC	NE	PA	OK	[illegible]	4	8
Flaxseed	ND	SD	MN	--	--	--	--	--	--	--	1	72
Potatoes	ID	WA	WI	OR	CO	ME	CA	MN	ND	MI	9	4
Sugarbeets	MN	CA	ID	ND	MI	NE	WY	MT	CO	TX	4	11
Soybeans	IL	IA	MN	IN	OH	MO	NE	AR	KS	SD	22	1
Pinto Beans	CO	ID	ND	NE	WY	WA	KS	NM	MN	MT	3	17
Dry Edible Beans, All	MI	NE	ID	CA	CO	ND	WA	MN	WY	NY	6	10
Sunflower, Oil	ND	SD	KS	MN	TX	--	--	--	--	--	1	67
Sunflower, Non-oil	ND	MN	TX	KS	SD	--	--	--	--	--	1	76
Sunflower, All	ND	SD	KS	MN	TX	--	--	--	--	--	1	69
Alfalfa Hay & Mixtures	WI	CA	IA	MI	MN	NE	ID	KS	MT	IL	20	2
All Other Hay	TX	MO	KY	OK	TN	KS	NY	PA	OH	AR	19	2
All Hay	TX	CA	WI	MO	IA	MN	NE	KS	KY	MI	21	2
Total Acreage of Principal Crops Planted	IA	IL	ND	MN	KS	TX	NE	SD	MO	IN	3	7
Total Acreage of Principal Crops Harvested	IA	IL	ND	KS	MN	NE	TX	SD	MO	IN	3	7
LIVESTOCK ON HAND - JANUARY 1, 1990												
All Cattle & Calves	TX	NE	KS	OK	CA	IA	MO	WI	SD	CO	19	2
Cows That Have Calved												
Milk	WI	CA	NY	MN	PA	TX	OH	MI	IA	MO	29	1
Beef	TX	MO	OK	NE	SD	KS	MT	IA	FL	KY	14	3
All Hogs - Dec. 1, 1989	IA	IL	MN	IN	NE	MO	NC	OH	SD	KS	22	1
All Sheep & Lambs	TX	CA	WY	CO	MT	SD	UT	NM	IA	OR	16	2
Sheep & Lambs on Feed	AR	TX	AZ	OR	KS	WY	IA	MN	OH	SD	14	2
Cattle & Calves on Feed	TX	NE	KS	IA	CO	CA	OK	IL	MN	SD	25	*
All Chickens, Dec. 1, 1989	CA	IN	GA	PA	AR	OH	NC	TX	AL	FL	45	*
LIVESTOCK PRODUCTION IN 1989												
Calf Crop	TX	MO	OK	WI	CA	NE	SD	IA	KS	MT	15	2
Lamb Crop	TX	WY	CA	SD	MT	UT	CO	IA	OR	NM	15	2
Pig Crop	IA	IL	MN	IN	NE	NC	MO	OH	SD	KS	22	*
Turkeys Raised	NC	MN	CA	AR	MO	VA	IN	PA	IA	SC	20	*
Egg Production	CA	IN	PA	OH	GA	AR	NC	TX	FL	MN	45	*
Wool Production	TX	WY	CA	CO	MT	SD	UT	NM	IA	OR	14	2
Honey Production	CA	ND	MN	FL	SD	TX	WI	NE	MI	MT	2	10
Milk Production	WI	CA	NY	MN	PA	TX	MI	OH	IA	WA	32	1
Butter	WI	CA	MN	PA	MT	NY	KS	OK	OR	MO	11	1
American Cheese	WI	MN	CA	IA	ID	NY	MO	SD	ND	UT	9	1
CASH RECEIPTS - 1989												
Crops	CA	IL	FL	TX	IA	NE	MN	IN	WA	KS	19	2
Livestock	TX	NE	CA	IA	WI	KS	MN	CO	PA	AR	30	1
Total	CA	TX	IA	NE	IL	KS	MN	WI	FL	NC	26	1
Government Payments	TX	IA	CA	MO	IN	MS	IL	MN	NE	WI	11	3
Realized Income												
Gross 1/	CA	TX	IA	NE	KS	IL	MN	FL	WI	NC	28	1
Net 1/	CA	TX	FL	NE	IA	NC	KS	AR	MN	GA	33	1

* Less than one-half of one percent. 1/ 1988 Data.

RANK OF NORTH DAKOTA'S COUNTIES

County	Crop Production - 1989								Livestock on Hand			
	All Wheat	Spring Wheat	Durum Wheat	Sun-flower	Barley	Oats	Corn Grain	All Hay	All Cattle Jan. 1 1990	Milk Cows Jan. 1 1990	All Hogs Dec. 1 1989	All Sheep Jan. 1 1990
Adams	37	30	34	43	32	17	39	26	19	35	32	2
Barnes	8	6	30	2	6	13	9	39	33	13	7	7
Benson	22	43	8	11	20	30	25	23	24	24	33	18
Billings	51	47	47	52	51	38	50	13	27	35	47	47
Bottineau	5	15	2	17	5	4	30	25	40	35	40	31
Bowman	39	35	24	48	38	19	34	22	20	52	27	1
Burke	30	38	14	34	28	40	48	43	46	46	53	33
Burleigh	49	45	38	37	52	28	26	6	8	12	13	17
Cass	2	2	16	12	1	22	5	35	36	28	2	3
Cavalier	1	5	5	25	2	24	47	51	49	46	40	53
Dickey	26	18	33	7	23	9	4	17	13	10	3	10
Divide	32	53	10	41	41	42	50	33	42	52	19	36
Dunn	40	28	46	49	36	7	40	2	2	20	22	14
Eddy	46	41	32	10	46	36	19	32	38	34	49	22
Emmons	48	42	52	42	47	44	15	18	4	1	20	37
Foster	31	22	40	4	37	25	14	45	38	43	28	18
Golden Valley	38	37	21	52	31	20	50	44	32	39	28	18
Grand Forks	6	4	43	21	3	42	7	46	42	32	14	31
Grant	44	39	48	32	45	32	28	12	4	7	6	11
Griggs	29	26	28	18	22	47	16	42	40	32	31	44
Hettinger	18	12	25	35	29	12	38	28	29	15	11	41
Kidder	52	50	45	47	50	50	8	3	8	9	24	4
LaMoure	15	10	23	3	17	3	6	16	18	8	12	9
Logan	47	40	44	36	40	47	21	9	10	3	38	48
McHenry	28	20	28	13	26	5	20	1	6	15	35	16
McIntosh	41	33	41	28	39	15	36	10	11	4	33	37
McKenzie	33	29	19	50	43	35	24	7	3	46	21	5
McLean	13	25	6	16	27	2	23	15	14	15	28	27
Mercer	43	34	35	45	49	16	32	14	14	22	45	40
Morton	42	32	49	31	34	30	22	5	1	2	9	11
Mountraill	23	49	7	30	33	23	46	36	20	28	50	21
Nelson	20	24	12	8	15	39	29	40	45	28	45	29
Oliver	50	46	51	39	48	46	45	37	24	11	16	28
Pembina	3	1	39	33	7	37	13	47	47	46	8	48
Pierce	36	44	15	19	25	21	27	24	20	15	44	41
Ramsey	11	21	4	6	8	34	40	50	48	39	39	46
Ransom	25	16	42	9	18	11	2	21	27	24	5	29
Renville	17	17	13	27	14	14	42	49	49	39	50	50
Richland	10	7	27	24	21	10	1	29	20	13	1	24
Rolette	27	51	9	29	13	27	37	19	36	31	47	44
Sargent	16	14	22	14	16	8	3	38	33	23	4	28
Sheridan	45	36	50	22	44	45	31	30	33	15	42	50
Sioux	53	52	53	51	53	51	35	27	17	24	42	37
Slope	35	31	26	46	30	25	49	34	24	43	24	11
Stark	34	27	31	38	42	18	50	7	12	4	14	14
Steele	21	11	37	23	10	52	11	53	52	46	50	41
Stutsman	9	8	17	1	19	6	12	4	7	6	10	7
Towner	12	48	1	20	11	49	44	48	51	46	35	34
Traill	14	9	36	44	4	53	10	52	52	43	18	50
Walsh	4	3	20	26	9	29	17	41	42	35	17	35
Ward	7	13	3	15	12	1	33	20	16	20	23	23
Wells	24	19	18	5	24	41	18	31	30	27	26	24
Williams	19	23	11	40	35	33	42	11	30	39	35	6

NORTH DAKOTA FARM INCOME

Source: Economic Indicators of the Farm Sector, U.S.D.A. - E.R.S.

1989 CASH RECEIPTS, PRELIMINARY

Preliminary figures for cash receipts from all farm product marketings by North Dakota farmers totaled $2.3 billion in 1989, down 4 percent from 1988. Cash receipts were 5 percent below the average for 1984-88.

Cash receipts for crops totaled $1.5 billion, down 7 percent from 1988. Livestock receipts, at $871 million, advanced 3 percent from the previous year. Government payments, at $475 million, decreased 34 percent from both 1988 and 1987.

1988 CASH RECEIPTS

Cash receipts from farm marketings and government payments totaled $3.1 billion, up 2 percent from 1987 and 4 percent higher than 1986. Receipts from marketed crops totaled $1.6 billion, 50 percent of the total. Livestock receipts totaled $849 million, 27 percent of the total. The remaining 23 percent came from government payments which totaled $715 million.

Decreases in food grains, oil crops, and other crops were all responsible for a 2 percent reduction in crop receipts. Advances in meat animals and other livestock attributed to an 11 percent increase in livestock receipts. Government payments decreased 1 percent from 1987's record high level of $720 million.

Wheat continued to be the largest source of cash receipts for North Dakota farmers, bringing in $666 million in 1988, 21 percent of the total. Cattle and calves ranked second with $651 million also 21 percent of the total.

INCOME PER FARM

Realized gross farm income averaged $78,854 in 1988. This is down 17 percent from $94,866 in 1987 and 16 percent below 1986.

Net farm income averaged $11,119 in 1988, down 52 percent from the 1987 net income of $23,188 and down 46 percent from $20,684 in 1986.

CASH RECEIPTS
FARM MARKETINGS AND GOVERNMENT PAYMENTS
North Dakota, 1986-88 and 1989

Item	1986 1/	1987 1/	1988	Percent Total 1988 2/	1989
	- - - Thousand Dollars - - -			Pct.	000 $
CROPS	1,638,464	1,600,691	1,573,590	50.1	1,466,735
Food Grains	728,414	701,665	667,690	21.3	
Wheat	722,909	695,565	666,046	21.2	
Rye	5,505	6,100	1,644	0.1	
Feed Crops	337,116	288,738	349,426	11.1	
Barley	218,710	175,738	232,809	7.4	
Corn	78,990	58,772	66,410	2.1	
Hay	23,157	26,496	33,600	1.1	
Oats	16,259	27,732	16,607	0.5	
Oil Crops	292,376	296,025	283,679	9.0	
Sunflower	186,751	157,306	168,474	5.4	
Soybeans	67,627	117,602	101,219	3.2	
Flaxseed	37,998	21,117	13,986	0.4	
Veg., Fruits, Nuts	131,414	144,860	124,140	4.0	
Dry Beans	74,629	59,341	54,706	1.7	
Potatoes	56,020	84,824	68,704	2.2	
Misc.	765	695	730	---	
Other Crops	149,144	169,403	148,655	4.7	
Sugarbeets	115,228	124,227	113,262	3.6	
Other	33,916	45,176	35,393	1.1	
LIVESTOCK	671,250	762,141	849,282	27.1	870,792
Meat Animals	517,023	608,848	702,137	22.4	
Cattle & Calves	459,389	545,729	651,113	20.7	
Hogs	47,604	52,622	43,000	1.4	
Sheep & Lambs	10,030	10,497	8,024	0.3	
Dairy Products	116,729	116,550	111,289	3.5	
Poultry & Eggs	12,094	10,721	12,752	0.4	
Turkeys	9,552	8,668	10,848	0.3	
Eggs	2,338	1,933	1,721	0.1	
Other Poultry	60	60	119	---	
Misc. Livestock	25,404	26,022	23,104	0.7	
Wool	875	1,156	1,717	0.1	
Other Livestock	10,565	10,511	14,252	0.5	
Honey	13,964	14,355	7,135	0.2	
TOTAL CROPS & LIVESTOCK	2,309,714	2,362,832	2,422,872	77.2	2,337,527
Gov't Payments	700,180	719,783	715,068	22.8	474,846
GRAND TOTAL	3,009,804	3,082,615	3,137,940	100.0	2,812,373

1/ Revised. 2/ Items may not add due to rounding.

CASH RECEIPTS FROM MARKETINGS
North Dakota, 1989

Month	Livestock		Crops		Total	
	(000 $)	(Pct.)	(000 $)	(Pct.)	(000 $)	(Pct.)
January	94,658	10.9	79,959	5.5	174,617	7.5
February	105,368	12.1	64,594	4.4	169,962	7.3
March	85,321	9.8	103,639	7.1	188,960	8.1
April	68,915	7.9	90,247	6.2	159,162	6.8
May	48,353	5.5	71,098	4.8	119,451	5.1
June	47,953	5.5	97,821	6.7	145,774	6.2
July	35,415	4.1	158,198	10.8	193,613	8.3
August	68,727	7.9	137,729	9.4	206,456	8.8
September	78,906	9.1	126,947	8.6	205,853	8.8
October	107,837	12.4	166,507	11.3	274,344	11.7
November	74,251	8.5	207,316	14.1	281,567	12.1
December	55,088	6.3	162,680	11.1	217,768	9.3
Year	870,792	100.0	1,466,735	100.0	2,337,527	100.0

FARM INCOME

CASH RECEIPTS FROM GOVERNMENT PAYMENTS
North Dakota, 1986-89

Item	1986	1987	1988	1989
	- - - Thousand Dollars - - -			
Conservation	5,309	43,372	76,569	101,104
Feed Grain Program	115,067	196,228	101,638	38,688
Wheat Program	511,090	409,187	235,851	86,525
Miscellaneous	68,714	70,996	301,010	248,529
Total	700,180	719,783	715,068	474,846

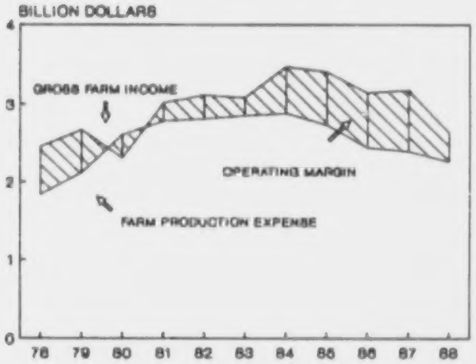
NA - Not Available

FARM INCOME
North Dakota, 1979-88 1/

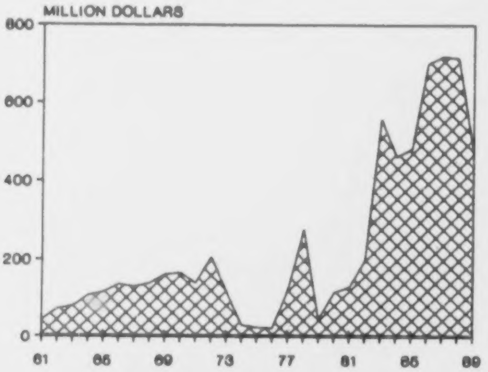
Year	Gross		Net	
	Total	Per Farm	Total	Per Farm
	Mil. $	Dol.	Mil. $	Dol.
1979	2,680.7	66,190	500.6	12,360
1980	2,318.9	57,973	-168.1	-4.203
1981	3,021.0	78,468	225.7	5,862
1982	3,118.2	84,276	294.5	7,959
1983	3,084.3	84,501	220.8	6,049
1984	3,476.4	97,927	585.1	16,482
1985	3,410.4	100,306	666.1	19,591
1986	3,145.5	93,896	692.9	20,684
1987	3,178.0	94,866	776.8	23,188
1988	2,641.6	78,854	372.5	11,119

1/ Allows for inventory adjustment.

OPERATING MARGIN FOR
NORTH DAKOTA FARMERS, 1978 - 88



CASH RECEIPTS FROM GOVERNMENT PAYMENTS
NORTH DAKOTA, 1961 - 89



GROSS & NET FARM INCOME
North Dakota, 1986-88

Item	1986	1987	1988
	- - - Million Dollars - - -		
Gross Farm Income	3,145.5	3,178.0	2,641.6
Receipts from Farm Mktgs.	2,309.7	2,362.8	2,422.9
Government Payments	700.2	719.8	715.1
Non-Cash Income	137.7	124.6	129.9
Other Farm Income	27.2	32.1	30.6
Value of Inventory Adj.	-29.4	-61.3	-656.8
Farm Production Expenses	2,452.6	2,401.2	2,269.1
Net Farm Income	692.9	776.8	372.5
	- - - Dollars - - -		
Gross Income per Farm	93,896	94,866	78,854
Net Income per Farm	20,684	23,188	11,119

FARM PRODUCTION EXPENSES
North Dakota, 1986-88

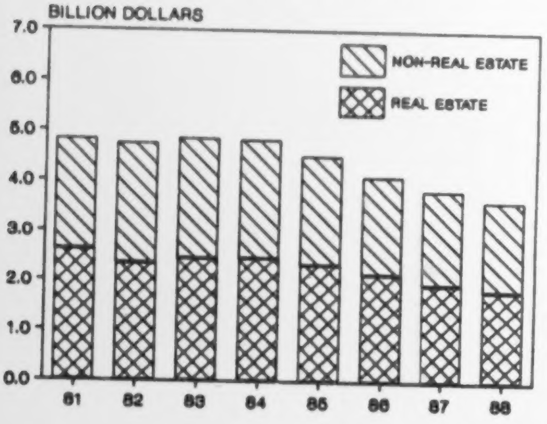
Item	1986	1987	1988
	- - - Million Dollars - - -		
Intermediate Product Expenses	1,031.9	1,069.2	1,119.7
Feed	62.8	71.2	82.2
Livestock	26.8	37.4	54.5
Seed	86.8	87.5	91.2
Fertilizer and Lime	155.2	156.3	162.9
Pesticides	122.4	125.2	128.7
Fuel and Oil	154.1	142.9	146.2
Electricity	29.4	36.2	38.9
Repair and Maintenance	146.6	149.2	149.0
Other Miscellaneous	247.9	263.3	266.1
Interest: Real Estate	202.8	183.3	170.9
Non-real Estate	212.7	210.5	213.6
Labor Expenses	83.4	91.0	94.2
Net Rent to Non-op. Landlords	322.2	303.3	223.5
Capital Consumption	511.6	450.7	356.7
Property Taxes	88.0	93.1	90.4
Total Production Expenses	2,452.6	2,401.2	2,269.1

Source: Economic Indicators of the Farm Sectors, U.S.D.A., E.R.S.

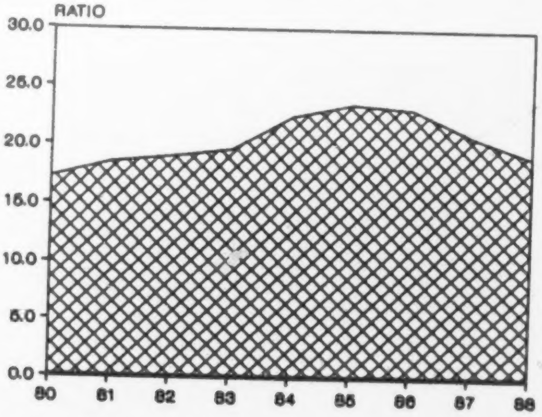
FARM ASSETS & DEBT
Farm Balance Sheet, North Dakota, December 31, 1984-88

Item	1984	1985	1986	1987	1988
ASSETS	EXCLUDING FARM HOUSEHOLDS				
	Million Dollars				
Total Farm Assets	20,031.0	17,742.2	16,344.6	16,899.7	17,390.2
Real Estate	14,051.2	12,341.3	10,962.4	11,350.6	11,668.2
Livestock and Poultry	883.2	822.5	837.7	1,113.0	1,077.8
Machinery and Motor Vehicles	2,994.0	2,642.4	2,430.7	2,271.2	2,311.3
Crops	839.2	797.1	741.5	778.9	911.6
Financial Assets	1,263.3	1,139.0	1,372.3	1,386.0	1,421.3
DEBTS					
Total Farm Debt	4,567.1	4,257.9	3,869.9	3,623.1	3,431.4
Real Estate Debt	2,330.7	2,208.9	2,030.4	1,853.2	1,737.1
Non-real Estate Debt	2,236.4	2,049.0	1,839.4	1,769.9	1,694.3
Equity	15,463.9	13,484.3	12,474.7	13,276.5	13,958.8
RATIOS					
Equity/Assets	77.2	76.0	76.3	78.6	80.3
Debt/Equity	29.5	31.6	31.0	27.3	24.6
Debt/Assets, Total	22.8	24.0	23.7	21.4	19.7
Debt/Assets, Real Estate	16.6	17.9	18.5	16.3	14.9
Debt/Assets, Non-real Estate	37.4	37.9	34.2	31.9	29.6
Returns to Operator/Total Debt	11.0	13.6	15.8	19.5	9.1
ASSETS	INCLUDING FARM HOUSEHOLDS				
	Million Dollars				
Total Farm Assets	21,589.9	19,200.1	17,791.5	18,466.4	19,054.2
Real Estate	14,760.0	12,957.1	11,503.6	11,904.8	12,231.6
Livestock and Poultry	883.2	822.5	837.7	1,113.0	1,077.8
Machinery and Motor Vehicles	3,173.2	2,785.8	2,553.8	2,416.5	2,455.1
Crops	839.2	797.1	741.5	778.9	911.6
Household Equipment and Furnishings	341.9	358.4	374.1	406.9	467.2
Deposits and Currency	339.1	351.3	414.9	447.8	469.7
U.S. Savings Bonds	133.8	139.9	163.0	181.2	198.4
Investments in Cooperatives	1,119.5	988.0	1,203.1	1,217.3	1,242.7
DEBTS					
Total Farm Debt	4,825.9	4,508.2	4,104.5	3,846.2	3,642.0
Real Estate Debt	2,447.0	2,318.6	2,130.5	1,943.7	1,821.0
Non-real Estate Debt	2,378.9	2,189.6	1,973.9	1,902.5	1,821.1
Equity	16,764.0	14,691.9	13,687.0	14,620.3	15,412.1
RATIOS					
Equity/Assets	77.6	76.5	76.9	79.2	80.9
Debt/Equity	28.8	30.7	30.0	26.3	23.6
Debt/Assets, Total	22.4	23.5	23.1	20.8	19.1
Debt/Assets, Real Estate	16.6	17.9	18.5	16.3	14.9
Debt/Assets, Non-real Estate	34.8	35.1	31.4	29.0	26.7
Net Farm Income/Debt	12.1	14.3	16.1	19.5	9.9

FARM DEBT
NORTH DAKOTA, 1981 - 88



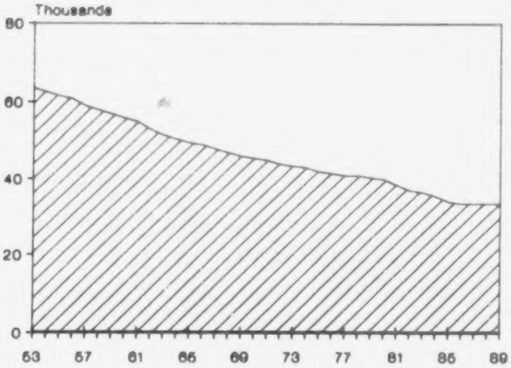
DEBT TO ASSET RATIO
NORTH DAKOTA, 1980 - 88



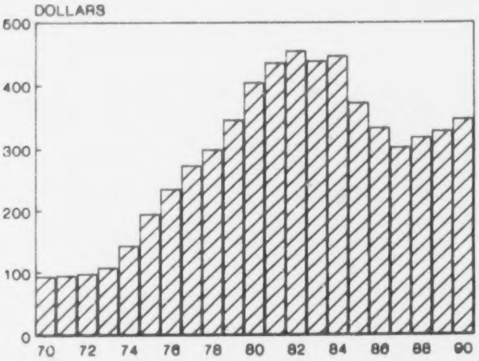
Source: Economic Indicators of the Farm Sector, U.S.D.A.-E.R.S.

FARM REAL ESTATE

NUMBER OF FARMS
NORTH DAKOTA, 1953-89



FARM REAL ESTATE - VALUE PER ACRE
NORTH DAKOTA, 1970 - 90



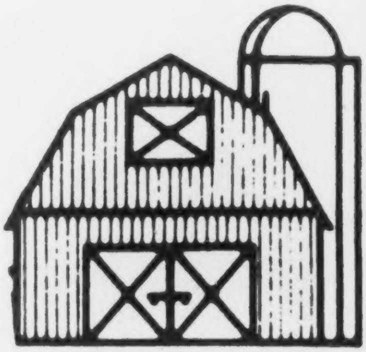
NUMBER OF FARMS, LAND IN FARMS, AVERAGE SIZE, VALUE, AND REAL ESTATE TAXES
North Dakota, 1976-90

Year	Number of Farms	Land in Farms	Average Size of Farms	Total Value	Value per Acre	Farm Real Estate Tax Per $100 of Value
	(Number)	(000 Acres)	(Acres)	(Mil. Dols.)	(Dols.)	(Dols.)
1976	41,500	42,000	1,012	9,903	236	.65
1977	41,000	41,800	1,020	11,451	274	.62
1988	41,000	41,700	1,017	12,493	300	.58
1979	40,500	41,700	1,030	14,470	347	.51
1980	40,000	41,700	1,043	16,888	405	.48
1981	38,500	41,300	1,073	18,007	436	.46
1982	37,000	41,000	1,108	18,655	455	.48
1983	36,500	41,000	1,123	17,999	439	.48
1984	35,500	41,000	1,155	18,320	447	.52
1985	34,000	40,900	1,203	15,253	373	.64
1986	33,500	40,800	1,218	13,638	334	.74
1987	33,500	40,700	1,215	12,319	303	.73
1988	33,500	40,600	1,212	12,951	319	.71
1989	33,500	40,500	1,209	13,307	329	NA
1990	NA	NA	NA	14,106	348	NA

NA - Not Available.

RENT PER ACRE AND RATIO TO VALUE
North Dakota, 1981-90

Year	Farms		Cropland		Pastures	
	Rent per Acre	Ratio Rent to Value	Rent per Acre	Ratio Rent to Value	Rent per Acre	Ratio Rent to Value
	(Dol.)	(Pct.)	(Dol.)	(Pct.)	(Dol.)	(Pct.)
1981	25.50	5.9	31.60	6.1	9.10	4.3
1982	27.30	5.8	32.90	6.1	9.20	4.4
1983	26.90	6.3	32.60	6.5	8.70	4.4
1984	27.36	6.5	32.42	6.7	9.86	5.1
1985	25.70	7.4	31.70	7.6	9.00	5.6
1986	26.90	8.1	29.70	8.1	7.80	5.8
1987	23.40	7.7	28.20	8.4	7.80	6.7
1988	25.40	8.1	28.80	8.1	8.50	6.6
1989	24.20	8.1	29.40	8.4	8.40	6.8
1990	24.30	8.8	25.20	8.9	8.50	6.9



Source: Agricultural Resources ERS except farm numbers and land area which are NASS data.

COUNTY RENTS

BACKGROUND

The National Agricultural Statistics Service (NASS) of USDA conducts an annual survey of farmers and ranchers to obtain value of land and rental rates in their localities. The survey is designed to provide state and national land values and cash rents.

The survey is funded by the Economic Research Service (ERS) of USDA, who publishes the state and national land values and rents obtained from the survey. These data are published annually with a preliminary report containing the land values released in April.

The full report, which includes rental rates, is released in July. North Dakota data from these reports are shown on the preceding page. Copies of the full report are available from ERS in Washington, D.C.

COUNTY DATA

In 1990, North Dakota's Land Department contracted with the North Dakota office of NASS (North Dakota Agricultural Statistics Service) to produce county level statistics on cash rents. The data here are part of the report from this joint endeavor. Copies of the full report, which contain county minimum and maximum reported values and modes, are available upon request.

In North Dakota, a sample of 500 operations is normally used to get state and district data. To obtain county information, an additional sample of 2200 farming operations was drawn.

The survey was conducted during late January and early February by mail with phone follow-up of those not responding by mail. There were nearly 2000 reports tabulated.

The data published here are the rounded averages of the reported values. They are not official estimates. Also, we advise the reader to exercise discretion when using data from counties where less than ten reports were tabulated.

Appreciation is expressed to all survey participants. Gratitude is also extended to the Washington D.C. staff of NASS for help in sampling design and developing the summary system. Funds for additional county sampling were provided by the North Dakota Land Department.

WHOLE FARMS RENTED FOR CASH
North Dakota, 1990

County	Number of Reports	Average Cash Rent per Acre	Average Value of Rented Land	Rent as a Percent of Value
	No.	- - - Dollars/Acre - - -		Pct.
Burke	10	20.10	236.00	8.5
Divide	6	18.00	246.00	7.3
Mountrail	13	26.00	283.00	9.2
Renville	12	25.80	345.00	7.5
Ward	10	25.10	350.00	7.2
Williams	10	15.20	238.00	6.4
Benson	24	23.50	279.00	8.4
Bottineau	21	24.40	330.00	7.4
McHenry	16	23.40	196.00	12.0
Pierce	16	22.20	241.00	9.2
Rolette	16	22.50	232.00	9.7
Cavalier	28	30.60	362.00	8.4
Grand Forks	34	46.50	570.00	8.2
Nelson	42	26.40	294.00	9.0
Pembina	36	55.10	952.00	5.8
Ramsey	35	26.60	320.00	8.3
Towner	41	25.70	301.00	8.5
Walsh	39	48.80	662.00	7.4
Dunn	13	13.50	184.00	7.3
McKenzie	9	15.10	161.00	9.4
McLean	12	23.80	332.00	7.2
Mercer	11	15.40	228.00	6.8
Oliver	13	15.50	185.00	8.4
Eddy	10	23.40	258.00	9.0
Foster	15	32.30	347.00	9.3
Kidder	18	15.80	139.00	11.3
Sheridan	6	18.40	211.00	8.7
Stutsman	14	25.40	269.00	9.4
Wells	16	27.20	295.00	9.2
Barnes	20	31.80	369.00	8.6
Cass	12	48.30	670.00	7.2
Griggs	12	25.20	281.00	9.0
Steele	23	38.70	397.00	9.7
Traill	22	55.70	751.00	7.4
Adams	24	16.20	194.00	8.4
Billings	16	15.90	191.00	8.3
Bowman	17	14.60	170.00	8.6
Golden Valley	16	16.80	223.00	7.5
Hettinger	19	19.70	251.00	7.9
Slope	16	16.40	205.00	8.0
Stark	21	16.10	238.00	6.8
Burleigh	11	14.30	200.00	7.1
Emmons	12	14.10	197.00	7.2
Grant	21	16.40	171.00	9.6
Morton	21	15.60	179.00	8.7
Sioux	18	11.50	120.00	9.6
Dickey	9	22.00	230.00	9.6
LaMoure	8	27.10	287.00	9.4
Logan	17	16.40	219.00	7.5
McIntosh	13	16.70	203.00	8.2
Ransom	15	36.50	375.00	9.7
Richland	13	47.30	644.00	7.3
Sargent	17	35.90	387.00	9.3

COUNTY RENTS

CROPLAND RENTED FOR CASH
North Dakota, 1990

PASTURE RENTED FOR CASH
North Dakota, 1990

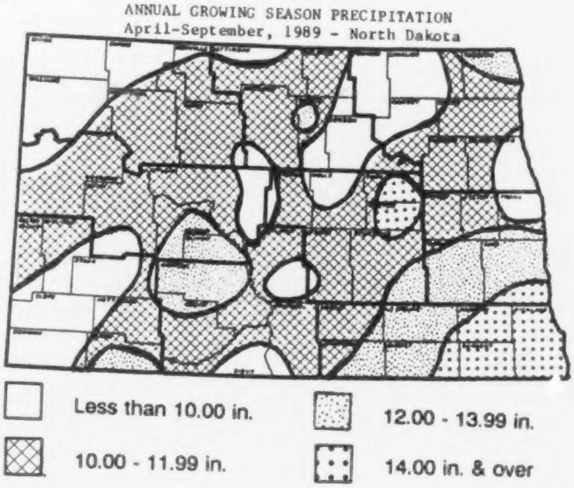
Year	Number of Reports	Average Cash Rent per Acre	Average Value of Rented Land	Rent as a Percent of Value	Number of Reports	Average Cash Rent per Acre	Average Value of Rented Land	Rent as a Percent of Value
	No.	- - Dollars/Acre - -		Pct.	No.	- - Dollars/Acre - -		Pct.
Burke	27	21.50	249.00	8.6	19	7.70	109.00	7.1
Divide	39	21.60	249.00	8.7	26	7.00	116.00	6.0
Mountraill	38	23.80	279.00	8.5	28	5.70	116.00	4.9
Renville	35	25.70	319.00	8.1	21	8.00	131.00	6.1
Ward	43	27.60	342.00	8.1	33	7.70	142.00	5.4
Williams	38	18.00	254.00	7.1	25	5.50	104.00	5.3
Benson	43	23.90	279.00	8.6	38	8.30	126.00	6.6
Bottineau	43	26.80	319.00	8.4	21	8.00	127.00	6.3
McHenry	30	23.60	224.00	10.5	29	9.00	116.00	7.7
Pierce	32	24.40	252.00	9.7	23	8.20	116.00	7.0
Rolette	24	25.20	254.00	9.9	20	9.10	128.00	7.1
Cavalier	60	32.30	410.00	7.9	18	9.50	139.00	6.8
Grand Forks	46	47.80	573.00	8.3	22	9.30	159.00	5.9
Nelson	56	29.00	310.00	9.4	36	8.50	132.00	6.5
Pembina	54	55.30	928.00	6.0	10	16.10	222.00	7.2
Ramsey	59	26.90	330.00	8.2	13	11.20	147.00	7.6
Towner	60	26.20	294.00	8.9	26	8.20	119.00	6.9
Walsh	59	50.30	683.00	7.4	22	9.10	137.00	6.6
Dunn	23	17.30	203.00	8.5	22	8.50	123.00	6.9
McKenzie	24	18.00	240.00	7.5	22	4.70	94.00	5.0
McLean	30	26.50	373.00	7.1	25	8.10	135.00	6.0
Mercer	26	19.80	263.00	7.5	26	7.90	155.00	5.1
Oliver	32	19.00	216.00	8.8	29	8.60	133.00	6.5
Eddy	25	27.70	305.00	9.1	25	10.00	152.00	6.6
Foster	28	31.50	341.00	9.2	21	10.00	131.00	7.6
Kidder	31	17.70	162.00	11.0	33	9.90	104.00	9.5
Sheridan	32	22.40	238.00	9.4	30	7.70	107.00	7.2
Stutsman	39	29.10	292.00	9.9	34	10.10	131.00	7.7
Wells	30	26.70	297.00	9.0	21	9.10	128.00	7.1
Barnes	31	33.00	382.00	8.6	23	10.00	147.00	6.8
Cass	26	51.80	656.00	7.9	6	13.30	220.00	6.1
Griggs	26	28.70	321.00	8.9	20	10.90	132.00	8.2
Steele	38	41.20	426.00	9.7	19	10.00	132.00	7.6
Traill	30	56.10	773.00	7.3	11	15.90	221.00	7.2
Adams	40	18.40	210.00	8.7	30	8.70	118.00	7.4
Billings	20	17.70	223.00	7.9	18	8.90	129.00	6.9
Bowman	31	18.10	216.00	8.4	28	7.60	111.00	6.9
Golden Valley	26	20.70	254.00	8.2	22	6.90	93.00	7.4
Hettinger	38	21.50	275.00	7.8	34	10.40	150.00	6.9
Slope	32	19.40	231.00	8.4	29	8.30	135.00	6.2
Stark	35	19.80	243.00	8.2	32	10.20	147.00	6.9
Burleigh	29	20.90	228.00	9.2	30	9.10	131.00	7.0
Emmons	31	20.60	224.00	9.2	32	9.00	127.00	7.1
Grant	33	21.10	201.00	10.5	34	8.80	121.00	7.2
Morton	34	20.40	212.00	9.6	28	8.50	122.00	7.0
Sioux	30	15.00	127.00	11.8	25	6.50	74.00	8.9
Dickey	23	26.80	257.00	10.4	21	11.20	134.00	8.4
LaMoure	26	30.30	303.00	10.0	20	11.40	139.00	8.2
Logan	29	21.50	227.00	9.5	29	10.00	140.00	7.1
McIntosh	24	20.20	211.00	9.5	23	10.40	120.00	8.7
Ransom	27	37.70	379.00	10.0	17	14.20	181.00	7.9
Richland	30	51.20	697.00	7.3	17	13.40	204.00	6.6
Sargent	25	35.60	370.00	9.6	12	12.40	162.00	7.7

NORTH DAKOTA CROP & WEATHER DATA, 1989

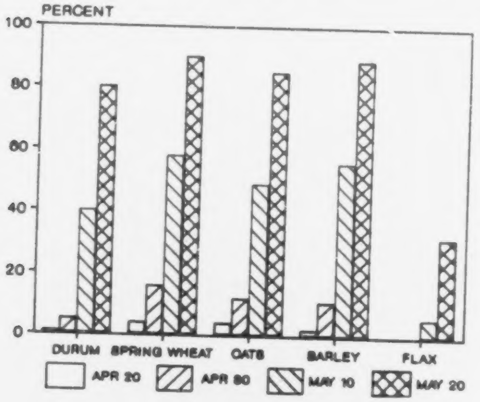
PLANTING AND HARVEST PROGRESS BY DATE AND PRECIPITATION MAP

HIGHLIGHTS

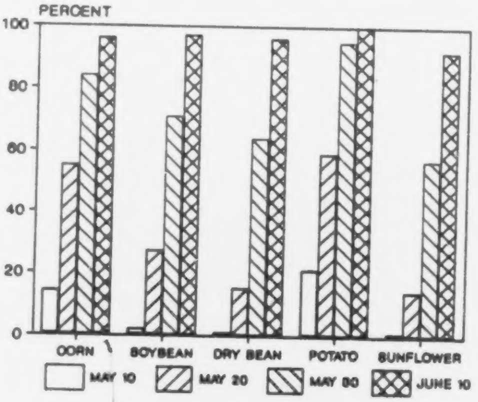
- * Early fieldwork delayed by cold, damp April; warmer, drier May accelerated planting.
- * Cool weather, rain in June produced good crop conditions, but slowed development.
- * Small grains fair to good through June, but hot, dry July stressed crop and reduced yields.
- * Subsoil moisture short entire season, continued from previous year's drought.
- * Small grain harvest nearly complete by September 1, two weeks ahead of average.
- * Row crop conditions mostly good in June, deteriorated July and August by hot, dry weather. All harvested by November 1, ahead of average.


ANNUAL GROWING SEASON PRECIPITATION
April-September, 1989 - North Dakota
Less than 10.00 in.
10.00 - 11.99 in.
12.00 - 13.99 in.
14.00 in. & over

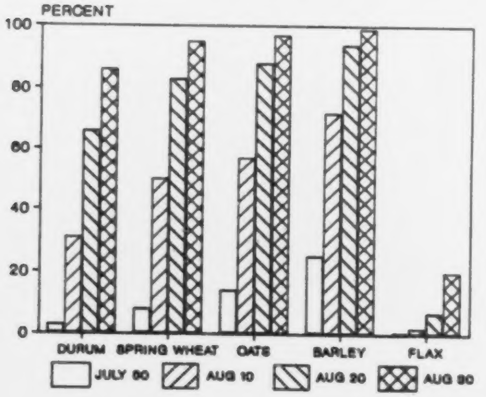
SMALL GRAIN PLANTING PROGRESS
NORTH DAKOTA, 1989



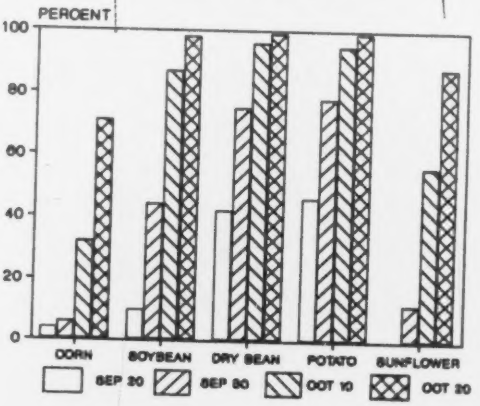
ROW CROP PLANTING PROGRESS
NORTH DAKOTA, 1989



SMALL GRAIN HARVEST PROGRESS
NORTH DAKOTA, 1989



ROW CROP HARVEST PROGRESS
NORTH DAKOTA, 1989



PLANTING & HARVEST PROGRESS
North Dakota, 1989 and 5-Year Average (1985-89)

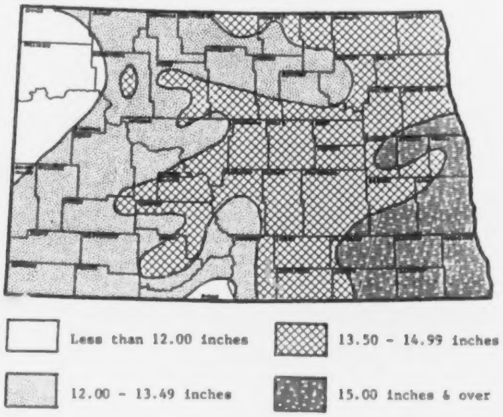
Crop	Year	April			May			June
		10	20	30	10	20	30	10
					- - - Percent Planted - - -			
Durum Wheat	1989		1	5	40	80	96	100
	Average	1/	5	23	55	82	97	100
Other Spring Wheat	1989	1/	4	16	58	90	98	100
	Average	2	13	39	70	89	98	100
Oats	1989	1/	4	12	49	85	97	100
	Average	1	12	37	66	89	98	100
Barley	1989	1/	2	11	56	89	98	100
	Average	1	11	38	69	90	99	100
Flax	1989				6	32	71	94
	Average			5	19	44	77	95
Corn	1989				14	55	84	96
	Average			5	24	55	85	97
Soybeans	1989				2	27	71	97
	Average			2	9	35	77	98
Beans, Dry	1989				1	15	64	96
	Average			1/	3	25	73	98
Potatoes	1989			1/	21	59	95	100
	Average			5	28	65	92	99
Sunflower	1989				1	14	57	92
	Average			1/	3	19	60	91
Sugarbeets	1989		1	31	82	98	100	
	Average		16	52	80	94	99	

Crop	Year	July		August			September			October			Nov.
		20	30	10	20	30	10	20	30	10	20	30	10
							- - - Percent Harvested - - -						
Durum Wheat	1989	1/	3	31	66	86	96	99	100				
	Average	1	5	24	47	68	84	90	94	95	97		
Other Spring Wheat	1989	1/	8	50	83	95	99	100					
	Average	2	13	39	62	80	91	95	97	98	99		
Winter Wheat	1989	6	48	91	98	100							
	Average	17	49	86	96	100							
Oats	1989	1	14	57	88	97	100						
	Average	3	18	48	72	88	96	98					
Barley	1989	4	25	72	94	99	100						
	Average	5	23	58	79	92	97	99					
Flax	1989			2	7	20	45	76	91	97	99	100	
	Average			1	8	18	36	55	70	80	89	97	100
Corn for Grain	1989						1/	4	6	32	71	96	100
	Average						1	4	11	28	54	79	94
Soybeans	1989						1	10	44	87	98	100	
	Average						4	15	37	63	86	96	
Beans, Dry	1989					3	12	42	75	96	99	100	
	Average					4	19	42	62	78	92	99	100
Potatoes	1989					1	6	46	78	95	99		
	Average			1/	2	5	19	46	75	91	99		
Sunflower	1989						1/	1/	12	56	88	99	100
	Average						1	2	8	29	56	79	95
Sugarbeets	1989							3	9	44	95	100	
	Average						2	6	16	65	97	100	

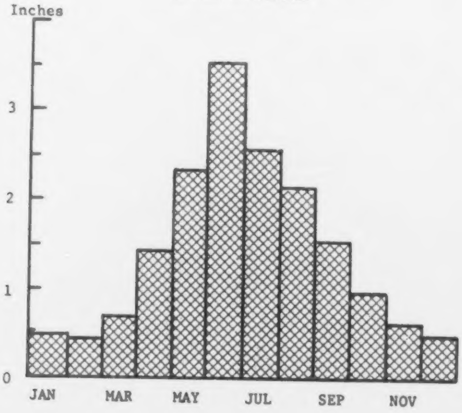
1/ Less than one-half of one percent.

GROWING SEASON

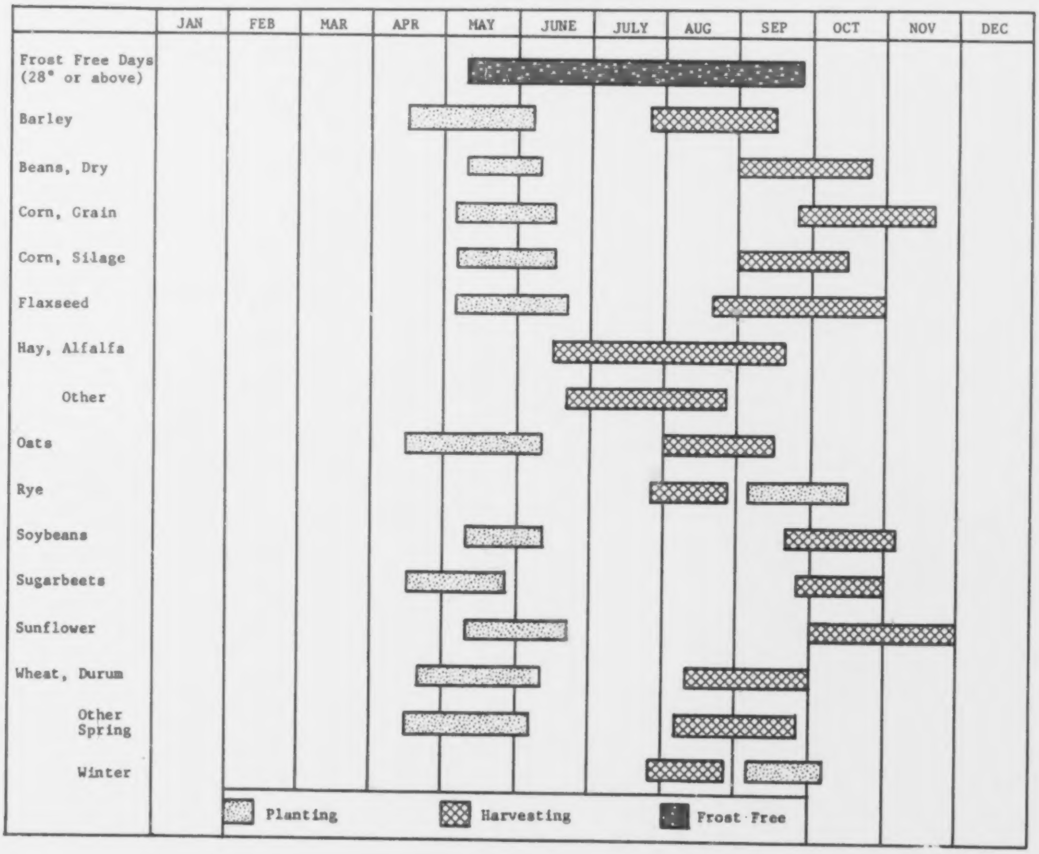
GROWING SEASON PRECIPITATION
North Dakota, April-September, 1951-80 Avg.


Less than 12.00 inches
12.00 - 13.49 inches
13.50 - 14.99 inches
15.00 inches & over

Average Monthly Precipitation
in North Dakota



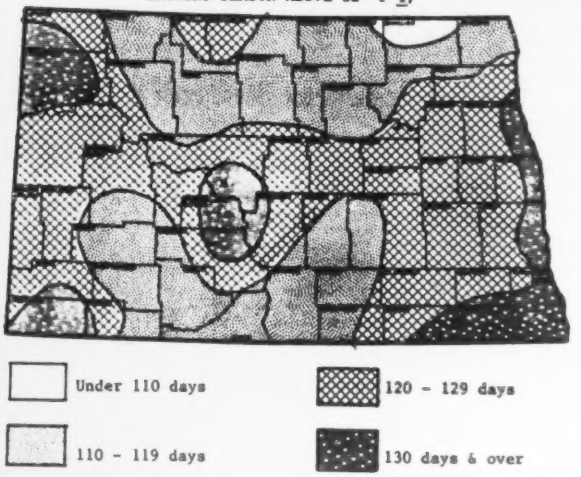
CROP CALENDAR, NORTH DAKOTA



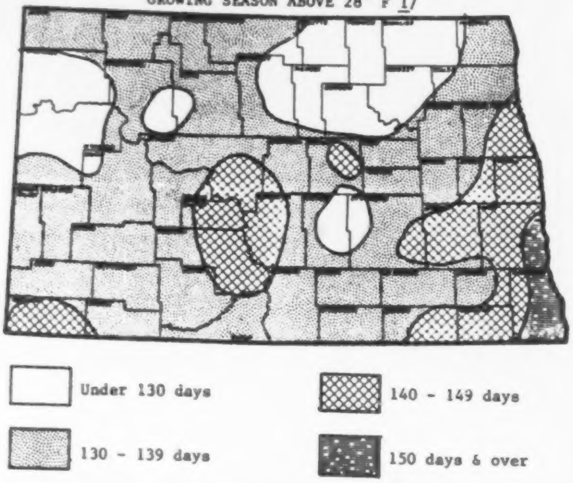
SOURCE: Usual Planting and Harvesting Dates for U.S. Field Crops, USDA/NASS, April 1984

GROWING SEASON

LONG-TERM AVERAGE NUMBER OF DAYS IN GROWING SEASON ABOVE 32° F 1/



LONG-TERM AVERAGE NUMBER OF DAYS IN GROWING SEASON ABOVE 28° F 1/



LENGTH OF GROWING SEASON AT TEMPERATURES OF 28°F AND 32°F OR ABOVE, NORTH DAKOTA

Station	County	Average Date of Last Spring Frost		Average Date of First Frost in Fall		Average Number of Days in Growing Season		Number of Years in Average
		28°	32°	32°	28°	32°	28°	
		(Date)	(Date)	(Date)	(Date)	(Date)	(Date)	(Years)
NORTHWEST DISTRICT								
Crosby	Divide	May 10	May 18	Sept. 16	Sept. 23	120	137	63
Minot Exp.	Ward	May 12	May 20	Sept. 17	Sept. 26	119	137	69
Mohall	Renville	May 11	May 18	Sept. 16	Sept. 23	122	135	44
Parshall	Mountrail	May 15	May 21	Sept. 12	Sept. 18	114	126	59
Powers Lake	Burke	May 15	May 23	Sept. 11	Sept. 23	111	133	41
Williston	Williams	May 4	May 13	Sept. 22	Sept. 28	132	146	78
NORTH CENTRAL DISTRICT								
Bottineau	Bottineau	May 15	May 21	Sept. 15	Sept. 23	116	130	70
Granville	McHenry	May 13	May 19	Sept. 15	Sept. 25	119	134	65
Maddock	Benson	May 15	May 23	Sept. 13	Sept. 21	113	129	53
Towner	McHenry	May 14	May 21	Sept. 12	Sept. 21	114	129	54
NORTHEAST DISTRICT								
Grafton	Walsh	May 9	May 18	Sept. 19	Sept. 25	123	139	70
Grand Forks	Grand Forks	May 6	May 16	Sept. 23	Sept. 29	130	146	66
Hansboro	Towner	May 17	May 27	Sept. 11	Sept. 18	106	124	65
Langdon Exp.	Cavalier	May 17	May 28	Sept. 13	Sept. 21	109	126	69
Pembina	Pembina	May 12	May 21	Sept. 17	Sept. 25	119	135	70
WEST CENTRAL DISTRICT								
Dunn Center	Dunn	May 12	May 17	Sept. 18	Sept. 27	122	137	50
Garrison	McLean	May 8	May 18	Sept. 19	Sept. 25	124	139	62
Washburn	McLean	May 6	May 13	Sept. 24	Oct. 1	137	148	26
Watford City	McKenzie	May 7	May 13	Sept. 19	Sept. 27	127	141	34
CENTRAL DISTRICT								
Fessenden	Wells	May 8	May 17	Setp. 18	Sept. 26	123	140	40
Jamestown	Stutsman	May 5	May 15	Sept. 20	Sept. 29	128	146	73
McClusky	Sheridan	May 11	May 20	Sept. 18	Sept. 26	120	137	54
Pettibone	Kidder	May 13	May 22	Sept. 12	Sept. 17	111	124	46
EAST CENTRAL DISTRICT								
Amenia	Cass	May 6	May 15	Sept. 23	Sept. 28	130	144	73
Cooperstown	Griggs	May 11	May 21	Sept. 19	Sept. 26	121	138	49
Fargo	Cass	May 4	May 12	Sept. 26	Oct. 2	137	151	66
Mayville	Traill	May 8	May 17	Sept. 24	Oct. 2	129	147	57
SOUTHWEST DISTRICT								
Beach	Golden Valley	May 12	May 20	Sept. 18	Sept. 27	121	138	58
Bowman	Bowman	May 6	May 14	Sept. 21	Sept. 30	130	146	52
Dickinson Exp.	Stark	May 12	May 19	Sept. 14	Sept. 22	117	132	72
Hettinger	Adams	May 11	May 18	Sept. 20	Sept. 27	124	137	36
Marmarth	Slope	May 11	May 16	Sept. 15	Sept. 23	122	136	43
SOUTH CENTRAL DISTRICT								
Carson #2	Grant	May 11	May 19	Sept. 15	Sept. 24	119	135	59
Mandan Exp.	Morton	May 7	May 12	Sept. 23	Sept. 28	133	144	59
SOUTHEAST DISTRICT								
Edgeley Exp.	LaMoure	May 11	May 18	Sept. 19	Sept. 28	123	139	66
Lisbon	Ransom	May 10	May 19	Sept. 20	Sept. 27	123	139	64
McLeod	Ransom	May 9	May 15	Sept. 22	Sept. 29	129	143	62
Napoleon	Logan	May 14	May 21	Sept. 16	Sept. 23	118	132	72
Oakes	Dickey	May 5	May 13	Sept. 23	Oct. 1	133	149	46
Wahpeton	Richland	May 4	May 13	Sept. 25	Oct. 3	136	151	65

1/ Based on data for selected stations. Number of years used in average ranges by station from 26-78 years. Source: National Climatic Data Center.

WEATHER DATA
Average Temperature by Months, North Dakota, 1989

Districts and Stations	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	- - - - - - - - - - Degrees Fahrenheit - - - - - - - - - -												
Bowbells	9.7*	-2.4*	15.9*	41.0	55.5	62.2	72.2	67.0	55.2	41.9	24.6	4.2	37.3
Crosby	11.8	-0.1	19.8	44.3	57.6	63.9	74.5	69.7	57.9	44.7	27.9	9.1	40.1
Fortuna	9.9	-3.0*	17.5	40.8	53.9	61.0	72.6	67.8	55.1	41.6	25.2	6.7	37.4
Minot Exp. Station	12.0	-1.8	19.5	41.6	56.9*	62.6	73.0	68.5	57.4*	44.2	25.4	6.0	36.8
Mohall	9.1	-1.6	15.6	41.6	56.6	62.6	72.2	68.5	55.7	43.7	24.8	5.4	37.9
Stanley	10.9	-1.3	17.7	40.3	54.0	60.3	71.2	67.3	54.8	42.6	24.8	4.6	37.3
Tioga	11.3	-0.5	18.7	41.5	55.3	61.4	71.9	67.4	56.0	43.1	25.3	6.3	38.1
Williston WSO AP	12.9	2.2	25.7	43.7	58.3	63.2	75.7	70.2	58.1	45.1	29.3	10.5	41.1
NORTHWEST	11.5	0.1	19.4	42.2	56.2	62.5	73.2	68.8	56.6	43.8	26.4	6.8	39.0
Bottineau	7.8*	-2.4	15.2	40.3	56.1	61.2*	71.7*	67.8	56.1	42.8	21.8	3.7	36.8
Drake	10.1	0.4	M	43.1	M	64.2*	75.6	69.9	58.4	45.1	26.0	5.4	39.2
Leeds	9.6	-2.2*	14.8	39.8	55.8	62.0	73.1	67.9	56.2	43.9	22.0	3.2	37.2
Rolla	10.8	0.3*	15.0	38.3	55.4	M	70.5	67.1	54.7	43.3	20.2	2.4	36.7
Rugby	9.3	-0.5	17.6	43.2	58.1	65.3	72.5	68.9	58.3	44.3	24.7	5.0	38.9
Towner	7.6	-2.9*	14.4	41.6	56.4*	61.6	72.5	68.0	55.6	42.8	23.8	3.9	37.1
Upham	7.2	-2.7	15.1	41.3	56.9	62.4	71.8	68.5	56.1	42.1	23.0	3.9	37.1
Velva	13.1	2.2	M	M	57.4	63.1*	73.6	68.2	56.3	44.6	25.6	5.8	38.9
Westhope	6.5	-1.4	14.9	42.9	58.2	63.2	72.5	70.1	58.3	43.0	24.4	4.1	38.1
NORTH CENTRAL	8.5	-1.2	15.2	41.1	56.4	62.8	72.7	68.4	56.4	43.4	23.4	4.1	37.6
Devils Lake	12.5*	1.8*	17.1	40.6	57.6	63.7*	73.7	68.6	57.8	45.2	24.2	6.0*	39.1
Edmore	6.7	-2.2	14.6	39.4	57.2	61.9	72.7	M	56.7	43.1	21.9	2.3	36.9
Grafton	9.3	2.1	17.5	40.1	59.8	64.8	74.9	70.1	59.9	45.9	24.0	3.2	39.3
Grand Forks FAA AP	7.9	0.2	16.9	39.1	57.6	63.0	73.9	69.4	57.9	44.3	22.5	3.1	38.0
Hansboro	7.8	0.9	15.4	42.1*	57.1	61.4	70.8	66.9	57.7	43.6	22.6	3.2*	37.5
Langdon Exp. Station	5.1	-3.6	12.1	35.8	54.9	59.6	71.2	67.3	55.1	41.5	18.7	-0.4	34.8
Park River	11.0	3.8	18.0	40.1	59.3	64.6	75.1	69.8	60.2	46.5	24.2	4.8	39.8
Pembina	5.2	0.2*	12.0	34.0	56.5	61.3	70.9	66.3	54.6	42.1	19.0	0.3	35.2
Petersburg	7.1	-2.2	14.7	36.9	55.6	60.0	70.7	67.9	56.4	43.6	20.1	2.0	36.1
NORTHEAST	8.2	0.2	15.7	38.8	57.5	62.7	73.1	68.7	57.6	44.2	22.0	2.9	37.6
Beulah	14.9	4.2	25.3	44.8	57.4	64.1	75.7	69.9	58.5	46.7	29.8	9.0	41.7
Butte	15.2	4.6	22.3	45.7	59.9	65.5	77.0	72.4	61.8	47.7	27.2	7.9	42.3
Dickinson	16.3	4.3	23.8	42.9	55.3	62.1	73.8	69.9	57.6	46.0	29.5	11.2	41.1
Dunn Center	18.7	6.8	25.4	43.3	57.4	63.9	76.5	71.6	59.8	46.8	30.9	M	42.5
Garrison	12.2	1.9	20.1	42.5	55.2	61.4	73.6	68.2	56.5	44.4	26.6	6.6	39.1
Washburn	15.2	4.2*	22.1	43.7	56.1	62.6	74.7	68.6	57.9	46.2	28.1	7.6	40.6
Watford City	19.4	6.6	26.9	45.3	58.6	64.9	77.3	72.6	61.2	48.8	31.7	M	43.5
WEST CENTRAL	15.7	4.0	23.2	43.5	56.5	62.9	74.6	70.0	58.4	46.1	28.5	8.5	41.0
Carrington	10.9	1.1*	17.5	41.9	56.6	62.6	74.6	68.2	57.5	44.6	26.1	5.3	38.9
Fessenden	12.5	1.9	19.6	43.6	58.5	64.1	75.1	69.1	59.7	46.3	26.0	5.9	40.2
Harvey	12.1	2.9	20.4	44.6	59.0	64.9	M	70.4	60.4	47.1	26.0	7.3	40.8
Hurdsfield	11.1	-0.4	17.5	40.7	53.6	59.2	71.9	67.5	55.0	42.7	23.5	3.2	37.1
Jamestown FAA AP	15.6	5.8	22.9	43.2	57.5	63.7	75.0	69.9	58.6	46.3	26.8	7.0	41.0
McClusky	13.2	2.6	21.6	43.9	57.1	63.3	75.1	70.2	59.9	46.9	27.8	8.4	40.8
McHenry	9.1	-0.9	16.2	40.2	56.3	60.7	72.7	66.3	54.6	42.3	21.4	3.0	36.8
Pettibone	12.4	1.7	20.3	43.2	56.7	63.5	75.2	69.4	58.1	45.9	26.1	5.2	39.8
CENTRAL	12.5	2.6	20.0	42.7	56.8	62.8	74.1	69.0	58.1	45.6	25.9	6.2	39.7
Casselton Agronomy Farm	9.5	1.8	19.0	42.9	57.9	63.5	75.2	70.2	57.7	46.5	23.6	5.6	39.5
Colgate	10.2	1.4	19.2	41.4*	58.1	63.8	74.5	70.5	59.4	45.1	23.1	5.7	39.4
Cooperstown	11.0	2.4	18.6	41.8	57.1	63.4	74.2	69.7	59.1	46.1	24.5	5.9	39.5
Fargo WSO AP	11.4	1.7	20.1	42.2	58.2	64.1	75.9	70.6	58.5	45.8	24.0	4.3	39.6
Hillsboro	11.2	1.6	17.3	39.9	56.3	63.0	74.0	69.8	57.1	46.2	23.0	7.3	38.9
Sharon	10.1	0.7	18.5	40.4	56.6	62.4	72.9	67.9	58.1	44.9	21.3	4.2	38.2
Valley City	11.5	4.1	18.9	42.1	55.3	62.0	73.0	69.0	56.7	45.3	23.3	5.8*	38.9
EAST CENTRAL	10.7	2.0	18.6	41.5	57.1	63.2	74.2	69.7	58.1	45.7	23.3	5.5	39.2
Amidon	19.0	6.6	25.8	42.0*	54.6*	62.0	74.8	70.6	58.5	48.5	31.4	14.6	42.4
Beach	18.3	3.7*	25.6	41.7	53.5*	61.4	72.7	68.5	58.3	45.4	31.7	13.1	41.2
Bowman (Courthouse)	18.9	7.5*	24.2	41.5	52.9	60.4	72.6	69.0	57.0	46.4	31.4	14.3	41.3
Dickinson Exp. Station	18.0	5.0*	23.3	42.0	52.9	61.7	74.6	69.3	55.5	45.4	29.1	11.9	40.7
Hettinger	18.3	7.5	23.3	42.7	53.1*	60.9	73.0	69.2	56.4	45.7	31.1	13.6	41.2
Medora	20.8	8.5	29.4	45.6	57.9	64.5	76.9	72.1	59.8	47.8	34.4	15.1	44.4
Mott	17.8	7.0	24.8	42.5	53.7	61.2	74.6	69.6	56.6	46.8	30.3	13.1	41.5
Trotters	18.4	4.7	26.0	43.1	55.9	62.8	74.8	70.2	59.1	46.2	31.8	12.6	42.1
SOUTHWEST	18.6	6.1	25.5	42.7	54.8	62.0	74.3	69.8	58.0	46.5	31.3	13.0	41.9
Bismarck WSFO AP	16.0	6.3	24.8	44.3	58.2	63.7	76.3	69.6	58.6	45.3	29.2	8.2	41.5
Braien	15.9	7.0	M	45.4	58.1	63.6	77.2	70.8	58.2	46.7	29.8	8.4	42.0
Fort Yates	20.6*	10.6	28.2	47.3	59.6	66.8	78.5	74.0	62.2	50.0	33.4	12.4	45.3
Hebron	16.9	3.2*	23.9	42.8	55.2	61.2	74.3	69.3	56.0	45.2	29.4	9.8*	40.6
Linton	14.6	5.4	24.2	45.3	58.9	64.6*	75.7	69.6*	58.1*	46.8*	28.8	4.8*	41.2
Moffit	16.4	5.6	24.6	45.2	58.7	65.7	76.9	71.8	60.8	47.8	29.5	8.1	42.6
New Salem	17.5	5.5*	25.1	44.5	57.2	63.9	75.6	70.4	59.2	48.1	29.5	9.2	42.1
Pretty Rock	19.0	8.2	24.9	44.4	56.1	64.2	75.9	71.4	59.3	47.5	30.6	11.1	42.7
Wilton	13.2	3.1*	21.0	42.5	M	M	72.5	67.2	56.9	45.9	28.2	5.6	39.5
SOUTH CENTRAL	16.6	6.0	24.4	44.3	58.6	63.6	75.5	70.1	58.6	46.8	29.5	8.6	41.8
Ashley	14.4*	5.4*	21.5	43.0	55.9	62.9	74.6	69.0	57.2	45.6	29.6*	6.4	40.5
Ellendale	15.5	6.0	23.4	45.4	58.4	66.3	75.9	71.7	60.5	48.1	27.6	8.5	42.3
Forman	13.2	2.0	20.4	43.1	58.0	64.5	75.2	70.6	58.0	47.0	25.6	6.3	40.3
Fullerton	14.4	5.6	22.5	44.0	57.4	64.8	74.8	69.9	59.0	46.7	26.6	7.6	41.1
Hankinson	14.1	3.5	20.0	41.1*	57.5	64.4	74.7	69.1	57.7	47.2	25.5	6.4	40.1
LaMoure	14.4	3.7	20.8	42.6	56.4	63.6	74.3	70.1	57.6	46.2	25.0	5.5	40.0
Lisbon	13.3	3.7	20.2	42.4	56.2	63.0	73.7	68.9	56.8	45.6	24.1	6.1	39.5
Napoleon	14.5	3.7	20.8	42.5	55.4	61.5	74.3	69.3	57.4	45.5	26.3	5.6	39.7
Wahpeton	13.0	3.0	20.9	44.0	59.7	66.5	77.0	71.3	60.8	48.0	25.6	7.3	41.4
SOUTHEAST	13.7	3.8	20.6	42.9	57.0	63.6	74.5	69.6	58.1	46.5	25.7	6.2	40.2
STATE	12.9	2.6	20.3	42.2	56.5	62.9	74.0	69.3	57.8	45.4	26.2	6.9	39.6

* - Partially estimated. M - Missing. T - Trace. Source: National Climatic Data Center.

WEATHER DATA
Monthly Precipitation, North Dakota, 1989

Districts and Stations	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
							- - - - - - - - - - Inches - - - - - - - - - -						
Bowbells	1.34	0.06	0.78	0.91	0.96	1.07*	0.71	1.40	2.41	1.23	0.13	0.03	11.03
Crosby	0.96	0.25	0.36	0.98	1.48	2.47	0.27	0.90	0.80	2.37	0.26	0.45	11.55
Fortuna	1.32	0.20	0.28	0.76	1.11	1.76	0.50	0.15	0.40	1.70	0.00	0.06	8.24
Minot Exp. Station	2.05	0.33	1.11	1.41	1.45	2.21	1.78	2.12	1.24	0.33	M	M	14.71
Mohall	1.60	0.30	0.67	1.06	2.14	3.40	1.32	1.15	2.71	0.35	0.76	0.15	15.61
Stanley	1.17	0.28	0.61	1.67	1.47	3.41	1.14	1.16	1.65	0.71	0.78	0.37	14.42
Tioga	1.09	0.31	0.45	1.04	1.14	1.64	0.64	0.25	1.32	1.33	0.65*	0.41	10.47
Williston WSO AP	1.00	0.39	0.53	1.44	1.68	1.48	0.87	1.01	0.54	1.75	0.44	0.41	11.54
NORTHWEST	1.31	0.24	0.52	1.18	1.38	2.11	0.92	0.94	1.28	1.24	0.43	0.25	11.80
Bottineau	0.60	0.18	0.42	0.55	1.79	4.83	1.17	1.31	1.85	0.20	0.63	0.08	13.61
Drake	0.70	0.05	M	0.79	1.51	2.49	2.44	1.58	1.48	0.13	0.57	0.09	12.61
Leeds	1.72	0.07	0.81	0.82	1.84	2.49	1.43	1.45	1.53	0.24	0.71	0.05	13.16
Rolla	2.32	0.25	0.81	0.45	2.02	4.06	0.72	0.89	1.89	0.18	0.75	0.20	14.56
Rugby	1.05	0.04	0.36	1.57	2.41	3.51	1.81	1.34	1.80	0.24	0.26	0.05	14.44
Towner	1.22	0.53	0.79	0.93	1.81	2.31	2.13	1.42	1.52	0.19	0.27	0.02	13.14
Upham	1.43	0.24	0.67	0.80	1.67	4.90	0.69	0.93	2.05	0.16	0.69	0.14	14.37
Velva	2.96	M	M	M	1.30	1.89	2.66	1.11	1.14	0.37	0.40	0.00	13.64
Westhope	1.06	0.12	0.62	1.04	1.79	3.89	0.84	0.62	1.34	0.13	0.45	0.05	12.15
NORTH CENTRAL	1.49	0.16	0.78	0.85	1.83	3.34	1.42	1.16	1.71	0.20	0.54	0.10	13.56
Devils Lake	0.96	0.12	1.43	0.85	2.21	2.20	1.71	2.15	1.93	0.20	0.45	0.15	14.36
Edmore	0.63	0.02	0.86	0.28	1.34	2.53	1.21	M	1.29	0.12	0.46	0.28	11.63
Grafton	2.33	0.06	1.44	0.30	1.89	4.03	0.73	3.38	0.54	0.04	0.55	0.10	15.41
Grand Forks FAA AP	1.71	0.11	1.35	0.33	2.16	1.55	0.49	3.18	0.86	0.17	0.47	0.23	12.61
Hansboro	2.06	T	0.71	0.50	1.34	2.68	1.26	0.74	2.19	0.32	0.73	0.12	12.69
Langdon Exp. Station	0.71	0.03	0.80	0.65	1.86	2.67	1.06	1.14	1.78	0.21	0.40	0.19	11.50
Park River	2.09	0.06	1.51	0.33	1.71	3.27	0.92	3.49	0.90	0.10	0.57	0.21	15.18
Pembina	1.07	0.06	1.38	0.30	1.73	4.60	0.46	4.00	1.15	0.13	1.03	0.32	16.25
Petersburg	1.02	T	1.66	0.20	2.21	2.59	0.92	3.05	1.13	0.17	0.26	0.06	13.49
NORTHEAST	1.39	0.08	1.33	0.38	2.03	2.74	0.87	2.81	1.20	0.16	0.54	0.17	13.70
Beulah	0.95	0.20	0.20	2.93	2.80	2.30	1.96	2.02	0.65	T	0.65	0.35	15.03
Butte	0.91	0.11	0.86	1.14	1.77	1.84	1.25	1.49	1.13	0.18	0.81*	0.05	11.54
Dickinson	0.43	0.46	0.66	2.92	1.73	1.63	1.30	1.36	0.70	0.96	0.62	0.11	13.12
Dunn Center	0.84	0.37	0.98	3.34	1.77	1.90	0.68	1.81	0.79	0.84	0.45	M	13.97
Garrison	0.63	0.06	0.54*	1.66	2.62	3.21	1.42	1.96	1.06	0.56	0.32*	0.18	14.26
Washburn	0.97	0.21	0.35	1.96	2.44	1.05	0.92	1.73	0.89	0.28	0.44	0.25	11.51
Watford City	0.48	0.18	0.64	3.84	1.21	1.54	1.51	1.58	0.45	1.86	0.25	M	13.74
WEST CENTRAL	0.69	0.22	0.63	2.42	2.00	1.95	1.63	1.59	0.67	0.80	0.45	0.20	13.25
Carrington	0.74	0.03	M	0.56	3.26	1.38	2.00	6.99	1.45	0.17	0.56	0.03	18.05
Fessenden	0.40	0.04	0.95	0.83	2.05	1.05	3.25	2.99	1.31	0.17	0.61	0.07	13.72
Harvey	0.53	T	0.48	0.55	2.10	1.98	M	2.97	0.95	0.28	0.23	0.00*	11.00
Hurdsfield	0.47	0.07*	0.24	0.94	2.56	1.09	1.45	3.29	1.04	0.16	0.33	0.05*	11.69
Jamestown FAA AP	0.97	0.04	1.88	1.40	2.17	1.42	1.94	4.74	1.31	0.13	0.75	0.05	16.80
McClusky	0.85	0.13	0.51	1.18	2.20	2.17	1.36	2.10	1.24	0.25	0.26	0.06	12.33
McHenry	0.99	0.18	1.53	0.53	2.18	2.32	1.94	5.87	2.49	0.06	0.52	0.04	18.75
Pettibone	0.70	0.21	0.62	0.66	3.14	0.96	1.70	3.33	2.03	0.05	0.61	0.00	14.03
CENTRAL	0.72	0.10	0.88	0.83	2.54	1.55	1.98	4.23	1.59	0.15	0.47	0.06	15.10
Casselton Agronomy Farm	1.36	0.28	1.07	1.31	2.33	2.50	0.93	4.72	1.52	0.37	0.94	0.12	17.45
Colgate	0.68	0.09	0.83	0.34	2.91	1.26	0.84	7.72	0.89	0.11	0.47	0.06	16.22
Cooperstown	1.03	0.12	1.21	0.39	2.67	0.84	1.35	5.02	0.68	0.16	0.50	0.07	14.04
Fargo WSO AP	1.85	0.21	1.49	1.03	2.60	1.51	0.62	6.07	2.10	0.31	1.16	0.24	19.21
Hillsboro	1.06	0.19	1.01	0.59	2.55	1.14	1.01	2.52	1.72	0.27	0.66	0.05*	12.79
Sharon	1.86	0.06	0.66	0.05*	1.96	0.97	0.88	5.71	0.96	0.06	0.57*	0.11	13.89
Valley City	0.75	0.14	0.75	0.47	2.41	1.51	2.31	5.29	1.34	0.12	0.53	0.10	15.72
EAST CENTRAL	1.23	0.16	1.00	0.69	2.49	1.39	1.13	5.29	1.32	0.20	0.71	0.12	15.73
Amidon	0.35	0.16	0.18	3.33	1.01	1.71	1.06	1.19	0.30	1.06	0.46	0.26*	11.09
Beach	0.60*	0.10	1.87	3.24*	2.61	1.89	1.40	1.96	0.74	2.20	0.69*	0.28	17.58
Bowman (Courthouse)	0.77	0.16	0.40	2.37	0.63	2.46	1.47	0.98	0.52	1.38	0.55	0.57	12.26
Dickinson Exp. Station	0.43	0.51	0.23	3.31	1.86	1.50	0.58	1.34	0.77	1.36	0.66	0.21	12.76
Hettinger	0.58	0.13	0.78	5.29	0.87	1.37	1.55	3.65	1.17	2.66	0.67	0.29	19.01
Medora	0.65	0.27	1.15	2.90	1.82	1.81	0.39	0.67	0.35	1.62	0.56	0.62	13.21
Mott	0.62	0.15	0.31	5.06	1.53	1.36	0.46	2.65	0.53	1.79	0.49	0.29	15.26
Trotters	0.41	0.33	0.65	2.61	2.07	0.93	3.14	1.67	0.34	1.97	0.70	0.67	15.69
SOUTHWEST	0.54	0.26	0.62	3.76	1.59	1.64	1.05	1.74	0.61	1.66	0.56	0.36	14.41
Bismarck WSFO AP	0.59	0.21	0.29	1.86	1.92	0.70	1.76	1.62	1.23	0.21	0.64	0.30	11.33
Breien	0.36	0.06	M	2.80	1.46	0.57	0.96	4.04	0.69	0.16	0.49	0.20	12.39
Fort Yates	0.16	0.06	1.59	3.30	0.62	0.69	0.23	2.85	1.07	0.09	0.54*	0.02	11.24
Hebron	0.24	0.18	0.15	3.56	2.40	2.01	2.21	2.89	0.72	0.90	0.66	0.18	16.10
Linton	0.00*	0.36	0.63	2.56	1.24	0.93	0.51*	5.92	0.60	0.10	0.68	0.06	13.63
Moffit	0.12	0.13	0.53*	1.56	2.33	0.42	2.49	3.32	1.06	0.06	0.35	0.05*	12.43
New Salem	0.67	0.30	0.27	3.36	1.99	1.32	1.65	2.85	1.14	0.32	0.68*	0.37*	15.12
Pretty Rock	0.49	0.13	1.32	3.66	0.72	0.93	1.76	2.54	0.72	1.16	0.68	0.13	14.24
Wilton	0.61	0.16	0.20	2.29	2.16	2.33	0.96	2.55	0.82	0.30	0.31	0.33	12.92
SOUTH CENTRAL	0.49	0.19	0.56	2.79	1.66	1.13	1.25	2.93	0.83	0.41	0.56	0.21	13.03
Ashley	0.23	0.21	1.94	2.34	1.46	4.13	1.90	3.08	0.54	0.70	0.60	0.18	17.31
Ellendale	0.72	0.24	2.14*	2.76	1.95	1.77	3.25	4.37	1.35	0.55	0.96	T	20.06
Forman	0.86	0.30	1.65	2.04	2.42	1.97	2.93	2.86	2.02	0.29	1.10	0.17	18.63
Fullerton	0.89	0.27	2.56	2.85	1.29	1.31	2.63	3.62	0.96	0.40	1.25	0.21	18.46
Hankinson	2.33	0.84	2.27	2.15	2.72	1.69	5.54	3.53	2.59	0.41	0.80	0.15*	25.02
LaMoure	1.07	0.37	3.29*	2.69	1.66	1.63	3.55	2.75	0.86	0.30	1.09	0.02	19.26
Lisbon	0.92	0.15	1.06	1.60	2.74	2.61	3.17	2.61	1.40	0.40	0.48*	0.13	17.47
Napoleon	0.53	0.34	1.29	1.29	2.82	1.04	1.16	4.12	0.75	0.02	1.09*	0.18	14.63
Wahpeton	0.84	0.14	1.19	1.61	3.42	1.30	2.85	3.79	2.49	0.53	0.36	0.09	18.63
SOUTHEAST	0.81	0.26	1.72	2.04	2.21	1.66	3.09	3.80	1.31	0.32	0.83	0.09	18.36
STATE	0.96	0.19	0.89	1.66	1.97	1.97	1.46	2.72	1.17	0.57	0.57	0.17	14.33

* - Partially estimated. M - Missing. T - Trace. Source: National Climatic Data Center.

WEATHER DATA
Long-Term Precipitation by Months and Stations, North Dakota, 1951-80

Districts and Stations	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	---------- Inches ----------												
Crosby	.40	.39	.43	1.30	2.00	2.71	2.04	1.99	1.78	.84	.40	.43	14.71
Foxholm	.46	.40	.47	1.54	2.12	3.49	1.99	2.04	1.79	.81	.50	.45	16.08
Grenora	.43	.41	.46	1.28	2.06	2.93	2.12	1.79	1.50	.75	.43	.43	14.59
Kenmare	.53	.48	.60	1.46	2.11	3.10	1.85	1.82	1.63	.81	.41	.44	15.44
Minot Exp. Station	.58	.53	.61	1.90	2.25	3.13	2.18	2.02	1.98	.87	.59	.54	17.18
Mohall	.44	.40	.47	1.35	2.24	3.36	2.22	2.29	1.82	.96	.41	.40	16.36
Parshall	.34	.35	.42	1.39	2.24	3.63	2.18	1.98	2.01	.73	.39	.36	16.03
Powers Lake	.35	.35	.49	1.31	2.07	3.14	2.14	1.96	1.85	.62	.37	.33	15.18
Williston WSO AP	.55	.50	.57	1.29	1.85	2.68	1.83	1.42	1.37	.74	.50	.55	13.85
NORTHWEST	.47	.44	.53	1.43	2.16	3.13	2.08	1.94	1.79	.90	.45	.45	15.75
Bottineau	.47	.41	.57	1.31	2.15	3.31	2.80	2.87	1.96	.99	.46	.46	17.78
Drake	.42	.35	.66	1.47	2.18	3.39	2.71	2.12	1.88	.93	.55	.45	17.09
Granville	.45	.42	.61	1.55	2.17	3.30	1.95	2.42	1.76	.85	.44	.46	16.36
Leeds	.73	.46	.87	1.43	2.18	3.28	2.47	2.17	1.73	.86	.61	.60	17.41
Rolla	.51	.49	.66	1.20	2.25	3.44	2.82	2.92	1.97	.84	.53	.52	18.15
Rugby	.59	.43	.64	1.29	1.93	3.14	2.56	2.61	1.79	.86	.50	.50	16.84
Upham	.46	.41	.49	1.36	2.11	3.08	2.15	2.41	1.77	.88	.48	.48	16.08
Westhope	.47	.38	.52	1.19	1.96	3.04	2.13	2.31	1.86	.90	.43	.47	15.66
Willow City	.46	.36	.53	1.20	1.64	2.88	2.28	2.50	1.77	.82	.40	.43	15.49
NORTH CENTRAL	.49	.41	.61	1.33	2.11	3.19	2.49	2.51	1.82	.89	.48	.48	16.81
Devils Lake	.55	.45	.76	1.00	2.18	3.32	2.21	2.11	1.88	.68	.63	.55	16.52
Edmore	.45	.30	.48	1.18	2.20	2.95	2.80	2.54	1.88	1.04	.41	.33	16.56
Grafton	.59	.44	.74	1.52	2.19	3.25	2.54	2.56	2.06	1.06	.66	.53	18.16
Grand Forks FAA AP	.76	.51	.77	1.34	1.95	2.89	2.86	2.62	2.04	1.11	.60	.64	18.29
Hannah	.44	.43	.54	1.13	2.27	3.05	2.68	2.91	2.01	1.01	.56	.45	17.48
Langdon Exp. Farm	.59	.42	.72	1.33	2.44	2.97	2.99	3.01	1.97	1.12	.65	.51	18.72
Park River	.52	.36	.66	1.70	2.32	3.40	2.66	2.45	2.02	1.09	.58	.49	18.25
Pembina	.50	.41	.69	1.33	2.42	2.86	2.90	2.65	2.19	1.09	.55	.51	18.10
Petersburg	.59	.38	.78	1.34	2.19	3.34	2.73	2.54	2.08	1.08	.72	.45	18.18
NORTHEAST	.55	.41	.71	1.33	2.24	3.13	2.77	2.65	2.05	1.06	.62	.51	18.03
Butte	.42	.39	.54	1.41	1.96	3.17	2.32	1.98	1.78	.78	.43	.39	15.55
Center	.51	.54	.75	1.64	2.45	3.34	2.64	1.99	1.73	.91	.65	.59	17.74
Dunn Center	.40	.48	.60	1.60	2.35	3.69	2.17	2.05	1.65	.87	.51	.39	16.76
Garrison	.41	.48	.57	1.40	1.89	3.17	2.01	1.76	1.60	.68	.42	.46	14.87
Max	.44	.54	.65	1.70	2.17	3.77	2.44	2.18	1.74	.83	.57	.47	17.50
Turtle Lake	.61	.50	.69	1.64	2.11	3.70	2.31	2.08	1.76	.86	.50	.56	17.32
Wilton	.47	.39	.59	1.55	2.59	3.93	2.66	2.08	1.85	.93	.42	.41	17.67
WEST CENTRAL	.45	.44	.56	1.52	2.26	3.53	2.34	1.91	1.70	.81	.49	.45	16.46
Carrington	.61	.50	.75	1.59	2.49	3.77	2.54	2.12	1.69	.96	.63	.51	18.18
Fessenden	.61	.54	.74	1.48	2.49	3.49	2.50	2.24	1.76	1.00	.56	.57	17.98
Jamestown FAA Airport	.60	.58	.79	1.52	2.32	3.59	3.02	2.12	1.61	.94	.52	.51	18.12
McClusky	.55	.46	.67	1.61	2.16	3.99	2.35	2.03	1.64	.86	.52	.57	17.41
Pettibone	.41	.35	.59	1.48	2.37	3.44	2.52	2.03	1.72	.96	.44	.36	16.69
Tuttle	.46	.35	.62	1.48	2.65	3.70	2.30	1.91	1.77	.79	.42	.36	16.83
CENTRAL	.49	.43	.64	1.51	2.38	3.62	2.63	2.15	1.72	.96	.51	.46	17.50
Colgate	.40	.27	.60	1.50	2.26	3.24	2.64	2.64	2.00	1.12	.51	.40	17.58
Cooperstown	.51	.37	.70	1.48	2.37	3.57	3.05	2.60	2.23	1.15	.71	.54	19.28
Fargo WSO AP	.55	.42	.83	1.90	2.24	3.06	3.34	2.67	1.87	1.29	.79	.63	19.59
Hillsboro	.43	.39	.75	1.71	2.21	3.73	3.22	2.68	2.16	1.36	.65	.53	19.82
Mayville	.65	.50	.82	1.54	2.24	3.46	2.48	2.57	2.12	1.25	.68	.65	18.96
Sharon	.55	.42	.83	1.64	2.54	3.43	2.93	2.55	2.40	1.17	.71	.52	19.69
Valley City	.49	.44	.71	1.61	2.35	3.52	2.74	2.36	1.95	1.07	.64	.55	18.43
EAST CENTRAL	.51	.40	.76	1.69	2.37	3.48	2.94	2.58	2.10	1.23	.68	.55	19.29
Amidon	.37	.37	.54	1.53	2.54	3.85	2.23	1.49	1.41	.74	.42	.39	15.88
Bowman (Courthouse)	.33	.42	.52	1.47	2.43	3.88	2.11	1.63	1.41	.78	.42	.35	15.53
Dickinson Exp. Station	.34	.40	.57	1.73	2.53	3.69	2.08	1.86	1.51	.85	.45	.34	16.35
Fairfield	.34	.35	.48	1.44	2.45	3.60	1.99	1.84	1.64	.77	.46	.31	15.67
Hettinger	.31	.33	.49	1.68	2.76	3.64	2.04	1.77	1.43	.85	.42	.27	15.99
Medora	.43	.42	.57	1.41	2.40	3.53	1.96	1.45	1.42	.75	.50	.36	15.22
Mott	.39	.40	.57	1.65	2.55	3.80	1.99	1.80	1.42	.70	.46	.36	16.09
Richardton (Abbey)	.47	.54	.76	1.81	2.77	3.78	2.35	1.81	1.55	.81	.56	.45	17.66
SOUTHWEST	.39	.43	.58	1.54	2.48	3.62	2.09	1.69	1.46	.84	.48	.38	15.98
Bismarck WSFO AP	.51	.45	.70	1.51	2.23	3.01	2.05	1.69	1.38	.81	.51	.51	15.36
Carson	.33	.40	.60	1.85	2.68	3.62	2.39	1.89	1.38	.84	.43	.36	16.77
Fort Yates	.33	.36	.56	1.55	2.32	2.80	1.73	1.61	1.33	.83	.34	.33	14.11
Linton	.51	.45	.79	1.85	2.57	3.56	2.33	1.67	1.53	.91	.55	.53	17.25
New Salem	.47	.46	.72	1.70	2.34	3.62	2.20	2.16	1.48	.84	.52	.47	17.02
Shields	.33	.34	.66	1.70	2.39	3.16	2.05	1.94	1.32	.63	.43	.31	15.46
SOUTH CENTRAL	.41	.40	.61	1.64	2.46	3.47	2.18	1.89	1.46	.83	.46	.40	16.21
Ashley	.37	.38	.70	1.51	2.69	3.61	2.51	2.24	1.54	.95	.41	.36	17.27
Ellendale	.45	.52	.69	2.14	3.04	4.01	2.50	[illegible]	1.89	1.14	.57	.43	19.66
Forman	.55	.51	.87	2.03	2.76	3.78	2.77	2.59	1.82	1.06	.74	.49	19.97
Fullerton	.62	.66	.96	2.29	2.95	3.86	2.54	2.58	1.88	1.20	.76	.53	20.83
Hankinson	.55	.57	.78	2.05	2.62	4.03	2.74	2.59	1.96	1.19	.71	.57	20.36
Lisbon	.47	.47	.77	1.98	2.60	3.71	2.77	2.98	1.83	1.19	.69	.59	20.05
McLeod	.46	.42	.73	1.54	2.40	3.44	3.00	3.01	1.82	1.17	.77	.49	19.25
Napoleon	.45	.39	.76	1.55	2.57	3.19	2.83	2.06	1.73	.93	.53	.43	17.42
Wahpeton	.62	.47	.79	2.14	2.88	4.09	3.21	2.88	2.00	1.25	.77	.62	21.72
Wishek	.46	.46	.78	1.73	2.64	3.53	2.62	2.14	1.48	.86	.44	.45	17.60
SOUTHEAST	.48	.49	.79	1.93	2.70	3.75	2.74	2.52	1.83	1.11	.62	.48	19.44
STATE	.47	.43	.64	1.55	2.35	3.44	2.47	2.20	1.77	.96	.53	.46	17.27

Source: National Climatic Data Center.

WEATHER DATA
Long-Term Mean Temperatures by Months and Stations
North Dakota, 1951-80

Districts and Stations	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	- - - - - - - - - - Degrees Fahrenheit - - - - - - - - - -												
Crosby	5.0	12.8	23.6	40.8	53.9	62.9	68.7	66.9	56.1	44.7	26.5	13.5	39.6
Foxholm	6.0	13.4	24.1	41.2	54.4	63.5	69.2	67.5	56.8	46.0	28.1	14.5	40.4
Grenora	6.2	14.3	24.8	41.2	53.9	62.9	68.8	67.1	56.2	45.3	27.3	14.7	40.2
Kenmare	4.1	11.4	21.8	39.1	52.7	62.1	68.0	65.8	54.6	43.6	26.3	13.2	38.6
Minot Exp. Station	4.5	11.6	22.5	40.2	53.5	63.0	68.6	66.9	55.7	44.5	26.6	13.3	39.2
Mohall	2.7	10.3	21.8	40.1	53.1	62.8	68.0	66.1	55.0	43.7	26.1	12.0	38.5
Parshall	5.8	13.2	24.4	41.1	53.9	63.0	68.9	67.2	56.2	45.1	27.2	14.3	40.0
Powers Lake	2.4	10.1	20.7	38.3	51.4	60.8	66.6	65.0	53.6	42.5	24.6	11.7	37.3
Williston WSO AP	6.6	14.6	25.3	41.6	54.5	63.8	70.0	68.1	56.6	45.1	27.6	14.9	40.8
NORTHWEST	5.1	12.3	23.0	40.3	53.3	62.5	68.4	66.5	55.4	44.4	26.5	13.5	39.3
Bottineau	-.2	7.4	19.3	38.9	52.7	62.1	67.4	65.7	54.2	42.9	23.9	9.0	36.9
Drake	3.7	10.6	21.9	40.0	53.7	63.2	69.0	67.2	55.8	44.8	26.5	12.7	39.1
Granville	4.6	12.3	23.6	41.3	54.3	63.5	69.4	67.7	56.7	45.6	27.6	13.3	40.0
Leeds	2.1	9.4	21.4	40.2	53.6	63.4	68.4	66.4	55.4	44.2	25.9	10.9	38.4
Rolla	1.8	9.2	20.1	38.2	52.0	61.4	66.7	64.8	53.7	43.1	24.7	10.2	37.2
Rugby	3.9	11.2	23.0	41.7	55.4	65.0	70.2	68.4	57.1	46.0	27.2	12.6	40.1
Upham	1.5	9.1	21.0	40.4	53.9	63.2	68.4	66.4	55.2	43.8	25.5	10.4	38.2
Westhope	1.5	9.2	21.2	40.2	53.8	62.8	67.8	66.1	55.0	43.9	25.0	10.4	38.1
Willow City	.0	7.5	19.7	39.3	52.7	62.3	67.5	65.2	54.0	42.8	24.4	9.2	37.1
NORTH CENTRAL	2.7	9.9	21.5	40.0	53.6	62.9	68.2	66.3	55.2	44.2	25.8	11.2	38.5
Devils Lake	2.3	9.7	21.7	40.0	53.9	63.6	69.1	67.1	56.0	44.8	26.4	11.2	38.8
Edmore	.2	7.6	20.0	39.0	52.6	62.0	67.0	65.3	54.5	43.1	24.5	9.2	37.1
Grafton	2.2	9.5	22.3	41.2	55.4	64.5	69.3	67.8	57.4	46.0	26.9	10.7	39.4
Grand Forks FAA AP	2.2	9.3	22.1	40.7	54.4	63.9	68.8	66.9	56.2	44.9	26.5	11.1	38.9
Hannah	-1.1	6.0	18.1	37.6	52.0	61.6	66.0	64.0	53.7	42.7	23.6	7.8	36.0
Langdon Exp. Farm	-.5	7.0	19.2	38.3	52.4	61.7	66.4	64.8	54.3	43.1	24.0	8.3	36.6
Park River	3.8	11.0	23.2	41.4	55.5	65.0	70.2	68.4	58.1	46.8	27.8	12.2	40.3
Pembina	-.9	6.2	19.4	39.6	53.8	63.4	68.3	66.1	55.9	44.6	25.5	8.9	37.6
Petersburg	1.3	8.1	20.3	38.8	52.9	62.4	67.4	65.5	54.5	43.4	25.0	9.7	37.4
NORTHEAST	1.4	8.7	21.1	39.8	53.8	63.3	68.2	66.3	55.7	44.5	25.8	10.2	38.2
Butte	5.8	12.7	23.7	41.2	54.6	64.2	70.0	68.4	57.0	45.8	27.6	14.2	40.4
Center	7.4	14.7	25.2	41.4	54.2	63.4	69.2	67.7	56.4	45.6	28.4	15.8	40.8
Dunn Center	7.4	14.6	23.9	40.2	53.2	62.6	69.0	67.7	56.3	45.2	28.1	15.9	40.3
Garrison	5.3	12.2	23.0	40.3	53.2	62.7	68.9	67.5	56.0	44.8	27.3	14.4	39.6
Max	4.2	11.1	22.0	39.7	52.9	62.5	68.4	66.4	55.0	43.7	26.0	12.8	38.7
Turtle Lake	6.3	13.6	24.8	41.9	55.0	64.4	70.3	68.8	57.5	46.2	28.0	14.8	41.0
Washburn	7.8	15.6	26.3	42.9	55.5	65.0	70.9	69.4	58.2	47.0	29.5	16.2	42.0
WEST CENTRAL	6.9	14.2	24.7	41.3	54.2	63.5	69.6	68.1	56.8	45.6	28.2	15.5	40.7
Carrington	3.9	10.6	21.9	39.4	52.9	62.6	68.1	66.2	55.2	44.5	26.6	12.4	38.7
Fessenden	5.4	12.6	24.4	41.9	55.1	64.4	69.9	68.3	57.6	46.3	28.0	13.8	40.6
Jamestown FAA Airport	5.4	12.6	24.3	41.4	54.3	64.2	69.9	68.2	56.9	45.6	27.7	13.7	40.4
McClusky	5.5	12.7	24.1	41.3	54.8	64.3	70.3	68.7	57.3	45.6	27.4	13.8	40.5
Pettibone	4.3	11.5	23.4	41.2	54.0	63.6	69.6	68.1	57.0	45.3	27.8	13.0	39.9
Steele	6.5	13.9	25.2	42.4	55.4	64.4	70.1	68.6	57.9	46.7	28.6	14.8	41.2
CENTRAL	5.3	12.1	23.8	41.2	54.4	63.9	69.5	67.9	56.8	45.6	27.5	13.4	40.1
Amenia	5.0	12.4	25.5	43.1	56.5	65.6	70.6	69.2	59.0	47.5	29.0	13.2	41.4
Cooperstown	4.0	11.3	24.0	41.7	55.2	64.5	69.9	68.3	57.5	46.2	27.5	12.5	40.2
Fargo WSO AP	4.3	11.0	24.0	42.1	55.6	65.2	70.6	68.8	57.8	46.3	28.2	12.7	40.5
Hillsboro	4.7	11.7	24.3	42.5	56.3	65.7	70.9	69.0	58.7	47.2	28.6	13.1	41.1
Mayville	4.3	11.3	24.1	42.2	55.8	65.2	70.2	68.6	58.0	46.8	28.2	13.0	40.6
Sharon	2.8	10.2	22.5	40.5	54.1	63.3	68.3	67.1	56.4	45.3	26.3	11.2	39.0
Valley City	4.9	12.2	24.2	41.4	55.0	64.1	69.4	67.5	56.6	45.6	27.8	13.1	40.2
EAST CENTRAL	4.7	11.5	24.1	41.9	55.5	64.8	70.0	68.4	57.7	46.4	27.9	12.7	40.5
Amidon	12.1	18.8	27.0	41.0	53.0	62.4	69.4	68.4	57.0	46.1	30.0	19.6	42.1
Bowman (Courthouse)	12.7	19.1	27.7	41.6	53.6	62.9	69.9	68.4	57.1	46.1	30.0	19.9	42.4
Dickinson Exp. Station	9.3	16.2	25.4	40.5	53.0	62.2	68.6	67.4	55.9	45.0	28.3	17.1	40.7
Hettinger	12.6	19.4	27.8	42.3	54.0	63.5	70.2	68.8	57.2	46.4	30.0	19.5	42.6
Medora	12.0	19.8	28.8	42.9	55.0	64.2	70.6	69.2	57.7	46.2	30.1	19.1	43.0
Mott	10.7	18.1	27.2	41.7	53.8	63.0	69.1	67.6	56.5	45.6	28.8	17.9	41.7
Richardton (Abbey)	10.7	17.9	27.2	42.3	54.8	63.9	70.2	69.0	57.9	46.6	29.8	18.5	42.4
SOUTHWEST	11.2	18.3	27.0	41.6	53.7	63.0	69.6	68.2	56.9	45.8	29.3	18.6	41.9
Bismarck WSFO AP	6.7	14.5	26.0	42.5	54.9	64.3	70.4	68.8	57.3	46.1	28.6	15.4	41.3
Carson	8.1	15.4	25.1	41.0	53.9	63.1	69.7	68.2	56.8	45.5	28.5	16.2	41.0
Fort Yates	10.3	17.4	27.6	43.7	56.4	66.0	72.5	70.8	59.8	48.5	31.4	18.6	43.6
Linton	7.9	15.7	27.3	44.0	56.6	65.9	72.2	70.8	59.3	47.5	29.5	18.0	42.7
Mandan Exp. Station	6.7	13.7	25.0	41.6	54.5	64.0	70.1	66.7	57.2	46.1	28.7	15.4	41.0
New Salem	8.0	15.4	25.5	41.4	54.2	63.5	69.9	68.4	57.3	45.9	28.5	16.2	41.2
SOUTH CENTRAL	8.6	15.6	26.2	42.4	55.0	64.4	70.7	69.2	57.9	46.6	29.3	16.5	41.9
Ashley	7.1	13.8	24.9	41.8	54.2	63.8	69.6	68.2	57.5	46.4	28.6	15.2	40.9
Ellendale	8.2	15.4	27.2	43.8	56.3	65.7	71.4	70.1	59.4	47.8	30.0	16.2	42.6
Forman	6.2	13.6	26.0	43.2	56.2	65.6	71.4	69.8	58.6	47.1	29.6	14.7	41.9
Fullerton	7.2	14.7	26.7	43.6	56.3	65.7	71.3	69.8	58.9	47.5	29.6	15.4	42.2
Hankinson	6.4	12.5	24.5	42.0	55.6	65.5	71.1	69.0	57.8	46.8	29.7	14.9	41.3
Lisbon	7.0	13.8	26.3	43.4	56.1	65.4	70.6	69.0	58.5	47.6	29.8	14.8	41.9
McLeod	6.0	13.1	25.9	43.5	56.7	66.0	71.3	69.6	59.1	47.8	29.4	14.4	41.9
Napoleon	6.1	13.0	24.2	41.6	54.6	64.2	70.2	68.7	57.3	46.0	28.1	14.4	40.7
Wahpeton	6.9	13.7	26.3	44.1	57.6	67.0	72.0	70.1	59.7	48.6	30.5	15.4	42.7
Wishek	4.9	11.4	22.8	40.0	53.0	62.7	68.6	66.8	55.6	44.5	27.0	13.7	39.3
SOUTHEAST	6.6	13.3	25.3	42.5	55.5	65.0	70.7	69.0	58.1	46.8	29.0	14.7	41.4
STATE	5.8	12.9	24.1	41.2	54.3	63.7	69.4	67.8	56.7	45.5	27.7	14.0	40.3

Source: National Climatic Data Center.

CROPS

Selecting Wheat Plots, 1930

NORTH DAKOTA CROP SUMMARY, 1989

THE SEASON IN REVIEW

The 1989 fieldwork and planting season got off to a slow start, but a warm, dry, late spring pushed the completion of planting to near average. Most of the State's crops were harvested ahead of average as dry conditions prevailed. Short soil moisture supplies carried over from the previous drought year and hot weather again reduced all crop yields.

Average date for beginning fieldwork was April 21, latest since 1983 due to a cold, wet April. However, a warm, dry, late spring allowed farmers to complete small grain planting by June 1 and late season crops by June 10, both near the 5-year (1984-88) average. Cool weather and showers in June promoted good crop conditions, however, the late start of planting and cool temperatures combined to hold June development of all crops behind average.

Condition of small grains were fair to good during June, but deteriorated as a hot, dry July stressed the crops. Early season topsoil moisture supplies were mostly adequate, but declined to mostly short after June. Subsoil moisture was short throughout the season, a continuation of the previous year's drought. Harvest conditions were favorable, but yields were reduced by heat and lack of adequate soil moisture. Small grain harvest was essentially complete by September 1, 2 weeks ahead of average.

Late season crops were in mostly good condition until July when hot, dry weather deteriorated crops and reduced yield potential. All crops were harvested by November 1, nearly one week ahead of average.

ACREAGE & PRODUCTION SUMMARY

Total planted acreage of estimated crops in 1989, including hay harvested, was 22.0 million acres, up 10 percent from 20.0 million during 1988. The increase resulted from a decrease in the farm program acreage set aside and increased hay acres. Total crop output during 1989 rose 70 percent from the 1988 drought-reduced crop, but was still 23 percent below 1987's output.

Average yields per acre of all crops except potatoes, dry edible beans, non-oil sunflower and flax increased from last year, but all crops were below the 5-year average. All grain crop production was 125 percent above 1988's near record low output while oil crop production was 2 percent below that year's harvest.

Total cropland harvested in 1989 increased 27 percent from the 1988 drought-reduced harvest, but nearly equal to 1987. Winter wheat, rye, flax, soybeans and oil sunflower all had fewer acres harvested due to decreased plantings. All other crops had increased harvested acres due to increased plantings and less abandonment.

INDEX OF CROP PRODUCTION - NORTH DAKOTA
1980-89 (1967=100)

Year	Grains			Oil Crops	Misc. 1/	Hay	All Crops
	Food	Feed	All				
1980	98	56	86	274	213	54	104
1981	179	131	165	406	308	104	184
1982	178	133	164	497	244	119	188
1983	107	140	117	388	223	108	143
1984	156	173	162	433	247	108	180
1985	177	193	182	351	276	91	189
1986	161	191	170	359	319	128	188
1987	148	160	152	360	350	112	175
1988	57	56	56	206	242	47	79
1989	132	112	126	201	256	73	134

1/ Non-oil sunflower, potatoes, sugarbeets, dry edible beans, alfalfa seed.

PRINCIPAL CROPS

NORTH DAKOTA

Crop	Acreage Planted		Acreage Harvested		Yield per Acre		Unit	Production	
	1988	1989	1988	1989	1988	1989		1988	1989
	(000)	(000)	(000)	(000)				(000)	(000)
Corn, Grain			380	465	58.0	75.0	Bu.	22,040	34,875
Silage			300	340	3.0	3.7	Tons	900	1,258
All	800	880							
Wheat, Durum	2,800	3,100	2,400	3,000	13.0	22.0	Bu.	31,200	66,000
Spring 1/	6,200	7,600	4,700	7,250	15.0	24.0	Bu.	70,500	174,000
Winter	250	100	130	80	13.0	29.0	Bu.	1,690	2,320
All	9,250	10,800	7,230	10,330	14.3	23.5	Bu.	103,390	242,320
Oats	1,100	1,150	400	650	18.0	31.0	Bu.	7,200	20,150
Barley	2,800	2,800	2,150	2,650	21.0	37.0	Bu.	45,150	98,050
Rye	130	45	90	38	15.0	28.0	Bu.	1,350	1,064
Flaxseed	220	170	185	140	7.0	7.0	Bu.	1,295	980
Soybeans	750	640	690	630	18.0	22.0	Bu.	12,420	13,860
Beans, Dry Edible	400	500	370	410	7.3	6.0	Cwt.	2,701	2,460
Sunflower, Oil	1,250	980	1,170	960	8.8	9.7	Cwt.	10,296	9,312
Non-Oil	250	340	240	330	9.5	9.2	Cwt.	2,280	3,036
All	1,500	1,320	1,410	1,290	8.9	9.6	Cwt.	12,576	12,348
Sugarbeets	177.8	180.2	175.5	180.1	14.7	15.7	Tons	2,580	2,828
Potatoes, Fall	140	140	135	137	115	110	Cwt.	15,525	15,070
Hay, Alfalfa			1,000	1,500	.75	1.00	Tons	750	1,500
All Other			1,700	1,900	.70	.80	Tons	1,190	1,520
All			2,700	3,400	.72	.89	Tons	1,940	3,020
Total Acres 2/	19,808	21,998	16,216	20,660					

UNITED STATES

Crop	Acreage Planted		Acreage Harvested		Yield per Acre		Unit	Production	
	1988	1989	1988	1989	1988	1989		1988	1989
	(000)	(000)	(000)	(000)				(000)	(000)
Corn, Grain			58,250	64,781	84.6	116.2	Bu.	4,928,681	7,527,152
Silage			8,294	6,606	9.5	13.1	Tons	78,791	86,243
All	67,717	72,296							
Wheat, Durum	3,336	3,791	2,847	3,673	15.7	25.1	Bu.	44,831	92,229
Spring 1/	13,393	17,733	10,542	17,007	19.5	28.8	Bu.	205,460	489,747
Winter	48,800	55,091	39,800	41,469	39.2	35.1	Bu.	1,561,910	1,453,842
All	65,529	76,615	53,189	62,149	34.1	32.8	Bu.	1,812,201	2,035,818
Oats	13,910	12,080	5,533	6,874	39.3	54.4	Bu.	217,600	373,778
Barley	9,831	9,175	7,636	8,303	38.0	48.6	Bu.	289,994	403,443
Rye	2,374	2,014	595	479	24.7	28.1	Bu.	14,689	13,482
Flaxseed	275	210	226	177	7.1	7.7	Bu.	1,615	1,355
Soybeans	58,840	60,670	57,373	59,388	27.0	32.4	Bu.	1,548,841	1,926,806
Beans, Dry Edible	1,485.4	1,857.6	1,353.0	1,689.9	14.2	14.4	Cwt.	19,253	24,333
Sunflower, Oil	1,733	1,451	1,630	1,413	9.2	9.8	Cwt.	15,012	13,900
Non-Oil	305	429	291	413	10.0	9.7	Cwt.	2,908	4,013
All	2,038	1,880	1,921	1,826	9.3	9.8	Cwt.	17,920	17,913
Sugarbeets	1,327.2	1,332.8	1,300.7	1,305.3	19.1	19.6	Tons	24,810	25,553
Potatoes, Fall	1,094.9	1,101.8	1,075.4	1,086.4	292	299	Cwt.	313,558	324,726
Hay, Alfalfa			26,750	25,939	2.59	2.98	Tons	69,304	77,208
All Other			38,305	37,456	1.48	1.82	Tons	56,706	68,237
All			65,055	63,395	1.94	2.29	Tons	126,010	145,445
Total Acres 2/	289,477	302,627	261,801	278,060					

1/ Spring Wheat other than Durum. 2/ Planted acres include harvested for winter wheat, rye and hay.

HISTORIC ESTIMATES, PRINCIPAL CROPS, NORTH DAKOTA, 1980-1989

Crop	Year	Acreage		Unit	Production		Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
		Planted	Harvested		Yield Per Acre	Total			
		(000)				(000)	($/Unit)	(000 Dols.)	(Dols.)
All Wheat	1980	11,735	9,620	Bu.	18.7	179,650	4.52	811,771	84.38
	1981	11,825	11,570	Bu.	28.4	328,260	3.58	1,174,305	101.50
	1982	10,525	10,300	Bu.	31.5	324,835	3.48	1,129,246	109.64
	1983	7,370	7,205	Bu.	26.9	194,130	3.78	733,097	101.75
	1984	8,820	8,660	Bu.	32.8	284,190	3.57	1,013,346	117.01
	1985	9,350	8,870	Bu.	36.4	323,255	3.26	1,053,977	118.82
	1986	9,620	9,380	Bu.	31.2	292,320	2.54	742,835	79.19
	1987	9,300	9,135	Bu.	29.5	269,120	2.95	794,146	86.93
	1988	9,250	7,230	Bu.	14.3	103,390	4.02	415,925	57.53
	1989	10,800	10,330	Bu.	23.5	242,320	3.41	825,988	79.96
Spring Wheat (Other than Durum)	1980	7,200	5,700	Bu.	18.5	105,450	4.11	433,400	76.04
	1981	7,200	7,050	Bu.	28.0	197,400	3.63	716,562	101.64
	1982	6,850	6,750	Bu.	31.0	209,250	3.51	734,468	108.81
	1983	5,100	5,000	Bu.	27.0	135,000	3.71	500,850	100.17
	1984	5,450	5,400	Bu.	34.0	183,600	3.53	648,108	120.02
	1985	5,850	5,730	Bu.	37.0	212,010	3.34	708,113	123.58
	1986	6,500	6,400	Bu.	31.0	198,400	2.52	499,968	78.12
	1987	6,200	6,100	Bu.	31.0	189,100	2.80	529,480	86.80
	1988	6,200	4,700	Bu.	15.0	70,500	3.78	266,490	56.70
	1989	7,600	7,250	Bu.	24.0	174,000	3.45	600,300	82.80
Durum Wheat	1980	4,400	3,850	Bu.	19.0	73,150	5.12	374,528	97.28
	1981	4,500	4,410	Bu.	29.0	127,890	3.50	447,615	101.50
	1982	3,500	3,410	Bu.	32.5	110,825	3.42	379,022	111.15
	1983	2,090	2,050	Bu.	26.5	54,325	3.97	215,670	105.20
	1984	2,750	2,710	Bu.	29.0	78,590	3.76	295,498	109.04
	1985	2,750	2,690	Bu.	35.5	95,495	3.16	301,764	112.18
	1986	2,600	2,500	Bu.	32.0	80,000	2.66	212,800	85.12
	1987	2,900	2,850	Bu.	26.0	74,100	3.38	250,458	87.88
	1988	2,800	2,400	Bu.	13.0	31,200	4.60	143,520	59.80
	1989	3,100	3,000	Bu.	22.0	66,000	3.30	217,800	72.60
Winter Wheat	1980	135	70	Bu.	15.0	1,050	3.66	3,843	54.90
	1981	125	110	Bu.	27.0	2,970	3.41	10,128	92.07
	1982	175	140	Bu.	34.0	4,760	3.31	15,756	112.54
	1983	180	155	Bu.	31.0	4,805	3.45	16,577	106.95
	1984	620	550	Bu.	40.0	22,000	3.17	69,740	126.80
	1985	750	450	Bu.	35.0	15,750	2.80	44,100	98.00
	1986	520	480	Bu.	29.0	13,920	2.16	30,067	62.64
	1987	200	185	Bu.	32.0	5,920	2.40	14,208	76.80
	1988	250	130	Bu.	13.0	1,690	3.50	5,915	45.50
	1989	100	80	Bu.	29.0	2,320	3.40	7,888	98.60
Oats	1980	1,050	450	Bu.	30.0	13,500	1.78	24,030	53.40
	1981	1,200	960	Bu.	46.0	44,160	1.65	72,864	75.90
	1982	1,200	1,050	Bu.	53.0	55,650	1.19	66,224	63.07
	1983	1,500	1,260	Bu.	50.5	63,630	1.37	87,173	69.18
	1984	1,150	980	Bu.	51.0	49,980	1.42	70,972	72.42
	1985	1,175	840	Bu.	53.0	44,520	1.05	46,746	55.65
	1986	1,050	700	Bu.	55.0	38,500	1.20	46,200	66.00
	1987	1,050	700	Bu.	52.0	36,400	1.57	57,148	81.64
	1988	1,100	400	Bu.	18.0	7,200	2.34	16,848	42.12
	1989	1,150	650	Bu.	31.0	20,150	1.20	24,180	37.20
Barley	1980	1,850	1,500	Bu.	32.0	48,000	2.68	128,640	85.76
	1981	2,150	2,100	Bu.	48.0	100,800	2.20	221,760	1050.60
	1982	2,000	1,950	Bu.	53.0	103,350	1.76	181,896	93.28
	1983	2,600	2,520	Bu.	45.5	114,660	2.20	252,252	100.10
	1984	2,950	2,900	Bu.	53.0	153,700	1.94	298,178	102.82
	1985	3,500	3,350	Bu.	55.0	184,250	1.60	294,800	88.00
	1986	3,600	3,450	Bu.	51.0	175,950	1.37	241,052	69.87
	1987	3,000	2,900	Bu.	48.0	139,200	1.70	236,640	81.60
	1988	2,800	2,150	Bu.	21.0	45,150	2.97	134,096	62.37
	1989	2,800	2,650	Bu.	37.0	98,050	2.15	210,808	79.55

HISTORIC ESTIMATES CONT.

Crop	Year	Acreage		Unit	Production		Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
		Planted	Harvested		Yield Per Acre	Total			
		(000)				(000)	($/Unit)	(000 Dols.)	(Dols.)
Rye	1980	70	50	Bu.	21.0	1,050	2.64	2,772	55.44
	1981	75	70	Bu.	31.0	2,170	2.77	6,011	85.87
	1982	80	75	Bu.	32.0	2,400	2.00	4,800	64.00
	1983	140	135	Bu.	32.0	4,320	1.79	7,733	57.28
	1984	155	150	Bu.	36.0	5,400	1.76	9,504	63.36
	1985	100	80	Bu.	33.0	2,640	1.82	4,805	60.06
	1986	135	125	Bu.	34.0	4,250	1.16	4,930	39.44
	1987	175	165	Bu.	31.0	5,115	1.31	6,701	40.61
	1988	130	90	Bu.	15.0	1,350	1.77	2,390	26.56
	1989	45	38	Bu.	28.0	1,064	1.60	1,702	44.79
Flaxseed	1980	330	270	Bu.	10.0	2,700	7.18	19,386	71.80
	1981	330	320	Bu.	12.5	4,000	6.57	26,280	82.13
	1982	460	435	Bu.	13.5	5,873	5.14	30,187	69.40
	1983	410	400	Bu.	11.5	4,600	6.83	31,418	78.55
	1984	400	390	Bu.	12.5	4,875	6.07	29,591	75.87
	1985	460	445	Bu.	13.5	6,008	5.00	30,040	67.51
	1986	575	545	Bu.	17.5	9,538	3.45	32,906	60.38
	1987	400	395	Bu.	16.5	6,518	3.39	22,096	55.94
	1988	220	185	Bu.	7.0	1,295	7.54	9,764	52.78
	1989	170	140	Bu.	7.0	980	7.30	7,154	51.10
Sugarbeets	1980	147.6	142.7	Tons	14.1	2,017	46.30	93,387	654.43
	1981	145.6	144.9	Tons	18.6	2,695	20.50	55,248	381.28
	1982	145.7	144.8	Tons	17.1	2,476	35.70	88,393	610.45
	1983	143.1	142.2	Tons	16.9	2,404	35.40	85,102	598.47
	1984	139.8	139.1	Tons	16.6	2,309	37.00	85,433	614.18
	1985	144.8	144.2	Tons	16.8	2,423	35.50	86,017	596.51
	1986	164.8	163.8	Tons	17.9	2,932	39.30	115,228	703.47
	1987	163.3	161.3	Tons	19.6	3,161	43.90	138,768	860.31
	1988	177.8	175.5	Tons	14.7	2,580	44.00	113,520	646.84
	1989	180.2	180.1	Tons	15.7	2,828	—	—	—
All Dry Edible Beans	1980	265	255	Cwt.	10.5	2,678	24.70	66,147	259.40
	1981	430	415	Cwt.	11.0	4,565	19.80	90,387	217.80
	1982	300	240	Cwt.	10.5	2,520	11.30	28,476	118.65
	1983	170	160	Cwt.	10.3	1,648	18.70	30,818	192.61
	1984	205	200	Cwt.	12.6	2,520	16.10	40,572	202.86
	1985	260	237	Cwt.	12.7	3,010	14.40	43,344	18,289
	1986	290	280	Cwt.	15.5	4,340	17.60	76,384	272.80
	1987	370	359	Cwt.	14.0	5,026	12.90	64,835	180.60
	1988	400	370	Cwt.	7.3	2,701	25.50	68,876	186.15
	1989	500	410	Cwt.	6.0	2,460	26.30	64,698	157.80
Pinto Beans	1980	—	—	Cwt.	—	2,248	—	—	—
	1981	—	—	Cwt.	—	3,570	—	—	—
	1982	—	—	Cwt.	—	1,596	—	—	—
	1983	—	—	Cwt.	—	1,020	—	—	—
	1984	—	—	Cwt.	—	1,500	—	—	—
	1985	—	—	Cwt.	—	1,650	—	—	—
	1986	—	—	Cwt.	—	2,820	—	—	—
	1987	205	200.1	Cwt.	13.5	2,694	—	—	—
	1988	220	207	Cwt.	6.9	1,432	—	—	—
	1989	290	254	Cwt.	6.2	1,574	—	—	—
Navy Beans	1980	—	—	Cwt.	—	404	—	—	—
	1981	—	—	Cwt.	—	870	—	—	—
	1982	—	—	Cwt.	—	840	—	—	—
	1983	—	—	Cwt.	—	598	—	—	—
	1984	—	—	Cwt.	—	960	—	—	—
	1985	—	—	Cwt.	—	1,300	—	—	—
	1986	—	—	Cwt.	—	1,435	—	—	—
	1987	159.9	153.9	Cwt.	14.7	2,262	—	—	—
	1988	171	155	Cwt.	7.7	1,188	—	—	—
	1989	190	140	Cwt.	5.1	714	—	—	—

HISTORIC ESTIMATES CONT.

Crop	Year	Acreage		Unit	Production		Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
		Planted	Harvested		Yield Per Acre	Total			
		(000)				(000)	($/Unit)	(000 Dols.)	(Dols.)
Soybeans	1980	210	200	Bu.	17.5	3,500	7.04	24,640	123.20
	1981	250	245	Bu.	28.0	6,860	5.70	39,102	159.60
	1982	425	415	Bu.	21.0	8,715	5.42	47,235	113.82
	1983	540	530	Bu.	27.0	14,310	7.37	105,465	198.99
	1984	750	740	Bu.	23.0	17,020	5.59	95,142	128.57
	1985	500	490	Bu.	26.0	12,740	4.79	61,025	124.54
	1986	475	470	Bu.	35.0	16,450	4.63	76,164	162.05
	1987	520	515	Bu.	32.5	16,738	5.27	88,209	171.28
	1988	750	690	Bu.	18.0	12,420	6.95	86,319	125.10
	1989	640	630	Bu.	22.0	13,860	5.30	73,458	116.60
Corn, For Grain*	1980	700	290	Bu.	58.0	16,820	2.93	49,283	169.94
	1981	900	513	Bu.	81.0	41,553	2.20	91,417	178.20
	1982	890	520	Bu.	68.0	35,360	2.48	87,693	168.64
	1983	720	435	Bu.	67.0	29,145	3.03	88,309	20,301
	1984	970	630	Bu.	66.0	41,580	2.57	106,861	169.62
	1985	970	560	Bu.	72.0	40,320	2.17	87,494	156.24
	1986	880	530	Bu.	93.0	49,290	1.42	69,992	132.06
	1987	770	500	Bu.	93.0	46,500	1.91	88,815	177.63
	1988	800	380	Bu.	58.0	22,040	2.40	52,896	139.20
	1989	880	465	Bu.	75.0	34,875	2.20	76,725	165.00
Corn, For Silage*	1980	700	326	Tons	4.3	1,402	—	—	—
	1981	900	366	Tons	7.3	2,672	—	—	—
	1982	890	348	Tons	6.2	2,158	—	—	—
	1983	720	262	Tons	6.3	1,651	—	—	—
	1984	970	323	Tons	5.8	1,873	—	—	—
	1985	970	360	Tons	5.4	1,944	—	—	—
	1986	880	300	Tons	7.5	2,250	—	—	—
	1987	770	230	Tons	7.5	1,725	—	—	—
	1988	800	300	Tons	3.0	900	—	—	—
	1989	880	340	Tons	3.7	1,258	—	—	—
Sunflower, All	1980	2,400	2,235	Lbs.	976	2,181,050	11.00	239,683	107.24
	1981	2,650	2,628	Lbs.	1,202	3,158,160	10.70	339,117	129.04
	1982	3,400	3,348	Lbs.	1,106	3,703,600	8.84	327,246	97.74
	1983	2,375	2,344	Lbs.	1,044	2,446,400	13.00	317,715	135.54
	1984	2,850	2,817	Lbs.	976	2,749,850	11.30	311,370	110.53
	1985	2,190	2,030	Lbs.	1,094	2,221,800	8.01	177,957	87.66
	1986	1,460	1,407	Lbs.	1,353	1,903,690	7.10	135,179	96.08
	1987	1,400	1,375	Lbs.	1,510	2,076,350	8.46	175,625	127.73
	1988	1,500	1,410	Lbs.	892	1,257,600	12.00	150,883	107.01
	1989	1,320	1,290	Lbs.	957	1,234,800	11.40	140,482	108.90
Sunflower, Non-oil	1980	200	185	Lbs.	930	172,050	13.20	22,711	122.76
	1981	230	228	Lbs.	1,220	278,160	13.20	36,717	161.04
	1982	210	208	Lbs.	1,200	249,600	12.10	30,202	145.20
	1983	145	144	Lbs.	1,100	158,400	12.80	20,275	140.80
	1984	220	217	Lbs.	1,050	227,850	14.90	33,950	156.45
	1985	220	210	Lbs.	1,220	256,200	13.30	34,075	162.26
	1986	220	212	Lbs.	1,370	290,440	9.55	27,737	130.83
	1987	200	195	Lbs.	1,450	282,750	9.78	27,653	141.81
	1988	250	240	Lbs.	950	228,000	15.60	35,568	148.20
	1989	340	330	Lbs.	920	303,600	15.60	47,362	143.52
Sunflower, Oil	1980	2,200	2,050	Lbs.	980	2,009,000	10.80	216,972	105.84
	1981	2,420	2,400	Lbs.	1,200	2,880,000	10.50	302,400	126.00
	1982	3,190	3,140	Lbs.	1,100	3,454,000	8.60	297,044	94.60
	1983	2,230	2,200	Lbs.	1,040	2,288,000	13.00	297,440	135.20
	1984	2,630	2,600	Lbs.	970	2,522,000	11.00	277,420	106.70
	1985	1,970	1,820	Lbs.	1,080	1,965,600	7.32	143,882	79.06
	1986	1,240	1,195	Lbs.	1,350	1,613,250	6.66	107,442	89.91
	1987	1,200	1,180	Lbs.	1,520	1,793,600	8.25	147,972	125.40
	1988	1,250	1,170	Lbs.	880	1,029,600	11.20	115,315	98.56
	1989	980	960	Lbs.	970	931,200	10.00	93,120	97.00

* Planted acreage is corn for all purposes.

HISTORIC ESTIMATES CONT.

Crop	Year	Acreage Planted	Acreage Harvested	Unit	Production Yield Per Acre	Production Total	Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
		(000)				(000)	($/Unit)	(000 Dols.)	(Dols.)
Potatoes	1980	114	112	Cwt.	140	15,680	6.85	107,408	959.00
	1981	119	115	Cwt.	175	20,125	4.05	81,506	708.75
	1982	122	115	Cwt.	150	17,250	4.35	75,038	652.50
	1983	132	128	Cwt.	160	20,480	4.90	100,352	784.00
	1984	136	133	Cwt.	155	20,615	4.65	95,860	720.75
	1985	145	139	Cwt.	170	23,630	3.20	75,616	544.00
	1986	128	120	Cwt.	180	21,600	4.20	90,720	756.00
	1987	135	130	Cwt.	185	24,050	3.50	84,175	647.50
	1988	140	135	Cwt.	115	15,525	6.35	98,584	730.25
	1989	140	137	Cwt.	110	15,070	6.75	101,723	742.50
Hay, All	1980	—	2,500	Tons	.90	2,245	75.00	168,375	67.35
	1981	—	2,900	Tons	1.49	4,315	58.00	250,270	86.30
	1982	—	2,800	Tons	1.75	4,913	41.50	203,890	72.82
	1983	—	2,900	Tons	1.54	4,478	39.00	174,642	60.22
	1984	—	2,900	Tons	1.54	4,468	43.00	192,124	66.25
	1985	—	2,950	Tons	1.28	3,768	51.50	194,052	65.78
	1986	—	3,000	Tons	1.76	5,285	37.00	195,545	65.18
	1987	—	2,850	Tons	1.63	4,635	36.50	169,178	59.36
	1988	—	2,700	Tons	0.72	1,940	78.00	151,320	56.04
	1989	—	3,400	Tons	0.89	3,020	70.50	212,910	62.62
Hay, Alfalfa	1980	—	1,200	Tons	0.95	1,140	—	—	—
	1981	—	1,600	Tons	1.60	2,560	—	—	—
	1982	—	1,550	Tons	2.00	3,100	—	—	—
	1983	—	1,550	Tons	1.80	2,790	—	—	—
	1984	—	1,550	Tons	1.75	2,713	—	—	—
	1985	—	1,500	Tons	1.40	2,100	—	—	—
	1986	—	1,550	Tons	2.10	3,255	—	—	—
	1987	—	1,550	Tons	1.90	2,945	—	—	—
	1988	—	1,000	Tons	0.75	750	—	—	—
	1989	—	1,500	Tons	1.00	1,500	—	—	—
Hay, Other	1980	—	1,300	Tons	0.85	1,105	—	—	—
	1981	—	1,300	Tons	1.35	1,755	—	—	—
	1982	—	1,250	Tons	1.45	1,813	—	—	—
	1983	—	1,350	Tons	1.25	1,688	—	—	—
	1984	—	1,350	Tons	1.30	1,755	—	—	—
	1985	—	1,450	Tons	1.15	1,668	—	—	—
	1986	—	1,450	Tons	1.40	2,030	—	—	—
	1987	—	1,300	Tons	1.30	1,690	—	—	—
	1988	—	1,700	Tons	0.70	1,190	—	—	—
	1989	—	1,900	Tons	0.80	1,520	—	—	—
Summer fallow*	1980	6,450	—	—	—	—	—	—	—
	1981	5,200	—	—	—	—	—	—	—
	1982	5,300	—	—	—	—	—	—	—
	1983	6,900	—	—	—	—	—	—	—
	1984	6,000	—	—	—	—	—	—	—
	1985	6,400	—	—	—	—	—	—	—
	1986	6,600	—	—	—	—	—	—	—
	1987	7,000	—	—	—	—	—	—	—
	1988	6,300	—	—	—	—	—	—	—
	1989	4,200	—	—	—	—	—	—	—
Principal Crops Total**	1980	21,287	17,990	—	—	—	—	1,735,522	96.47
	1981	22,955	22,361	—	—	—	—	2,448,267	109.49
	1982	22,308	21,753	—	—	—	—	2,270,324	104.37
	1983	18,970	18,432	—	—	—	—	2,014,076	109.27
	1984	21,351	20,975	—	—	—	—	2,348,953	111.99
	1985	21,425	20,535	—	—	—	—	2,155,873	104.99
	1986	21,328	20,471	—	—	—	—	1,827,135	89.25
	1987	20,108	19,415	—	—	—	—	1,926,336	99.22
	1988	19,808	16,216	—	—	—	—	1,301,421	80.26
	1989	21,998	20,660	—	—	—	—	NA	NA

* Acres Summer fallowed. ** Includes acres harvested for winter wheat, rye and hay.

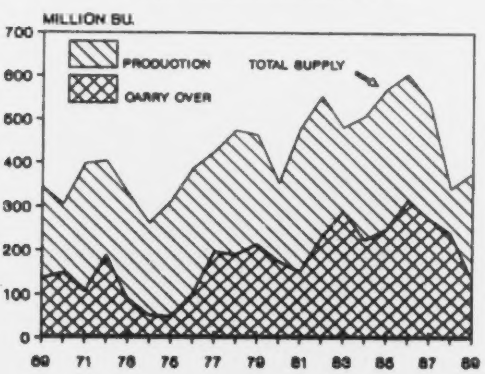
GRAIN STOCKS

Stocks by Positions, Quarterly, North Dakota, 1980-89

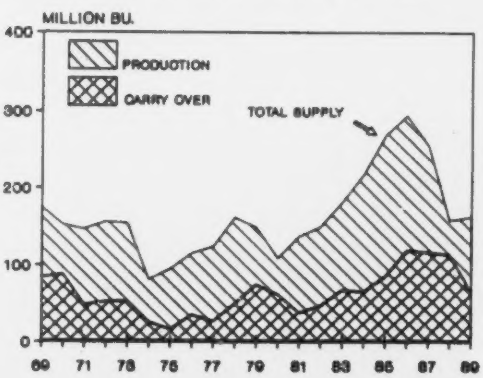
Year Beginning Sept. 1	On Farm				Off Farm				Total			
	Sept. 1	Dec. 1	March 1	June 1	Sept. 1	Dec. 1	March 1	June 1	Sept. 1	Dec. 1	March 1	June 1
	Thousand Bushels											
ALL WHEAT												
1980	213,784	179,650	154,499	116,773	59,000	53,500	43,000	34,626	272,784	233,150	197,499	151,399
1981	334,825	275,738	249,478	196,956	64,300	49,205	42,000	32,241	399,125	324,943	291,478	229,197
1982	432,031	354,070	298,848	237,130	69,500	56,000	51,500	51,000	501,531	410,070	350,348	288,130
1983	267,899	242,663	215,484	174,717	73,000	62,000	57,500	48,792	340,899	304,663	272,984	223,509
1984	329,660	255,771	215,984	193,249	79,500	67,000	61,500	54,000	409,160	322,771	277,484	247,249
1985	381,441	323,255	268,302	235,976	85,000	80,000	86,000	76,500	466,441	403,255	354,302	312,476
1986	350,000	315,000	240,000	170,000	110,200	109,500	102,500	101,000	460,200	424,500	342,500	271,000
1987	290,000	260,000	215,000	176,000	113,000	105,000	90,000	62,000	403,000	365,000	305,000	238,000
1988	180,000	163,000	135,000	93,000	82,000	71,000	59,000	42,000	262,000	234,000	194,000	135,000
1989	220,000	160,000	110,000		89,000	77,000	62,000		309,000	237,000	172,000	
DURUM WHEAT												
1980	71,687	59,983	49,742	37,307	15,973	15,600	11,050	7,599	87,660	75,583	60,792	44,906
1981	118,938	98,475	88,244	75,455	19,000	13,000	10,500	7,529	137,938	111,475	98,744	82,984
1982	148,506	130,774	108,609	93,093	21,500	18,000	16,000	16,000	170,006	148,774	124,609	109,093
1983	95,069	82,574	73,339	60,844	24,500	22,500	18,890	16,400	119,569	105,074	92,229	77,244
1984	109,240	82,520	71,517	61,300	25,000	21,000	18,500	16,600	134,24[illegible]	103,520	90,017	77,900
1985	114,594	103,135	82,126	72,576	25,200	24,000	26,200	23,450	139,794	127,135	108,326	96,026
1986	112,000	86,000	64,000	44,000	28,500	35,100	32,500	25,000	140,500	121,100	96,500	69,000
1987	81,000	66,000	56,000	48,000	30,700	28,500	25,000	16,500	111,700	94,500	81,000	64,500
1988	48,000	44,000	39,000	30,000	24,000	20,000	17,000	12,000	72,000	64,000	56,000	42,000
1989	67,000	52,000	38,000		22,000	20,000	14,000		89,000	72,000	52,000	
BARLEY 1/												
1980	72,000	51,840	38,880	28,800	12,880	12,500	10,200	8,437	84,880	64,340	49,080	37,237
1981	87,696	66,528	50,400	40,320	11,000	8,621	8,215	6,298	98,696	75,149	58,615	46,618
1982	112,652	98,183	70,278	57,876	14,500	11,000	10,000	9,000	127,152	109,183	80,278	66,876
1983	105,487	79,115	67,649	55,037	15,300	13,900	11,230	9,505	120,787	93,015	78,879	64,542
1984	144,478	106,053	89,146	73,776	17,300	15,200	13,800	10,900	161,778	121,253	102,946	84,676
1985	189,778	147,400	NA	93,968	29,900	25,600	NA	24,750	219,678	173,000	NA	118,718
1986	NA	NA	NA	83,000	NA	NA	NA	33,500	NA	NA	NA	116,500
1987	NA	NA	NA	81,000	NA	NA	NA	32,500	NA	NA	NA	113,500
1988	77,000	65,000	47,000	35,000	42,000	40,000	37,000	30,000	119,000	105,000	84,000	65,000
1989	77,000	57,000	32,000		45,000	40,000	38,000		122,000	97,000	70,000	
OATS 1/												
1980	33,750	26,325	15,390	11,475	1,610	1,400	1,500	1,076	35,360	27,725	16,890	12,551
1981	45,043	35,328	22,522	17,222	2,200	1,800	1,300	1,185	47,243	37,128	23,822	18,407
1982	58,433	48,972	33,390	25,043	2,900	2,100	1,750	1,200	61,333	51,072	35,140	26,243
1983	60,449	41,996	36,905	26,725	3,300	1,600	1,130	1,032	63,749	43,596	38,035	27,757
1984	54,978	34,486	29,988	20,492	2,550	1,800	1,670	1,060	57,528	36,286	31,658	21,552
1985	48,972	35,616	NA	15,582	2,350	1,600	NA	1,050	51,322	37,216	NA	16,632
1986	NA	NA	NA	13,500	NA	NA	NA	1,830	NA	NA	NA	15,330
1987	NA	NA	NA	8,500	NA	NA	NA	1,700	NA	NA	NA	10,200
1988	NA	NA	NA	5,900	NA	NA	NA	1,600	NA	NA	NA	7,500
1989	NA	NA	11,000		NA	NA	2,100		NA	NA	13,100	

See footnote on following page.

ALL WHEAT
TOTAL SUPPLY, NORTH DAKOTA, 1969 - 89



BARLEY
TOTAL SUPPLY, NORTH DAKOTA, 1969 - 89



GRAIN STOCKS CONT.

Stocks by Positions, Quarterly, North Dakota, 1980-89*

Year Beginning Sept. 1	On Farm				Off Farm				Total			
	Sept. 1	Dec. 1	March 1	June 1	Sept. 1	Dec. 1	March 1	June 1	Sept. 1	Dec. 1	March 1	June 1
	Thousand Bushels											
RYE 1/												
1984				3,348				1,600				4,948
1985				2,165				2,700				4,865
1986				1,900				2,900				4,800
1987				2,800				3,200				6,000
1988				880				900				1,780
FLAXSEED 1/												
1984				488				790				1,278
1985				601				250				851
1986				1,800				425				2,225
1987				790				1,000				1,790
1988				670				450				1,120

Year Beginning Dec. 1	Dec. 1	March 1	June 1	Sept. 1	Dec. 1	March 1	June 1	Sept. 1	Dec. 1	March 1	June 1	Sept. 1 2/
	Thousand Bushels											
CORN												
1980	13,961	8,074	6,728	3,364	2,500	1,857	1,157	420	16,461	9,931	7,885	3,784
1981	29,087	26,178	24,101	22,854	3,767	2,974	2,364	1,950	32,854	29,152	26,465	24,804
1982	38,896	37,128	35,360	17,680	5,350	4,650	4,571	9,200	44,246	41,778	39,931	26,880
1983	20,402	18,944	16,030	8,452	8,900	6,245	4,260	3,200	29,302	25,189	20,290	11,652
1984	28,274	22,869	19,543	14,553	4,500	3,900	2,800	2,600	32,774	26,769	22,343	17,153
1985	39,110	34,675	27,418	25,000	5,800	5,400	5,350	6,300	44,910	40,075	32,768	31,300
1986	49,000	39,000	24,500	21,000	15,199	11,500	9,950	8,100	64,199	50,500	34,450	29,100
1987	46,000	34,000	24,000	21,000	13,000	11,000	7,500	6,000	59,000	45,000	31,500	27,000
1988	30,000	23,000	15,000	11,000	10,000	6,000	4,100	3,800	40,000	29,000	19,100	14,800
1989	27,000	15,000			11,000	6,300			38,000	21,300		
SOYBEANS												
1980	1,750	1,400	700	245	912	640	450	330	2,662	2,040	1,150	575
1981	3,499	2,950	1,784	755	1,700	1,200	360	330	5,199	4,150	2,144	1,085
1982	5,316	2,963	2,615	523	1,800	850	752	360	7,116	3,813	3,367	883
1983	4,293	3,864	1,717	286	2,500	1,821	1,031	635	6,793	5,685	2,748	921
1984	6,638	5,276	3,915	1,362	2,900	1,800	1,450	1,500	9,538	7,076	5,365	2,862
1985	8,408	NA	NA	NA	3,500	2,900	1,890	1,850	11,908	NA	NA	NA
1986	NA	NA	NA	NA	5,300	3,900	3,200	2,750	NA	NA	NA	NA
1987	NA	NA	NA	NA	6,200	3,100	1,100	930	NA	NA	NA	NA
1988	NA	NA	NA	NA	3,800	2,100	1,100	730	NA	NA	NA	NA
1989	NA	4,200			5,200	2,500			NA	6,700		
	Million Pounds											
SUNFLOWER 2/												
1984	770.0	522.5	275.0	55.0	500.0	348.5	199.5	41.5	1,270.0	871.0	474.5	96.5
1985	1,244.2	NA	NA	240.0	350.0	NA	NA	113.2	1,594.2	NA	NA	353.2
1986	NA	NA	NA	260.0	NA	NA	NA	159.5	NA	NA	NA	419.5
1987	NA	NA	NA	140.0	NA	NA	NA	250.0	NA	NA	NA	390.0
1988	NA	NA	NA	60.0	NA	NA	NA	64.0	NA	NA	NA	124.0

NA - Not Available. *Beginning September 1, 1986, the NASS changed quarterly reference dates from October 1 to September 1; January 1 to December 1; April 1 to March 1; and June 1 will remain as is. Soybean reference date is also September 1 historically. 1/ Estimates made on June 1 only for Oats starting 1985 crop; for Rye and Flaxseed starting 1983 crop; for Barley 1985 through 1987 crop. Quarterly estimates were reinstated starting with 1988 crop for barley and 1989 crop for oats. 2/ Annual estimates only for Sunflower, starting September 1, 1986, for 1985 crop.

HAY

Crop of	Production	Stocks Jan. 1	Stocks May 1
	Thousand Ton		
1980	2,245	2,357	427
1981	4,315	3,409	734
1982	4,913	4,225	1,621
1983	4,478	3,672	1,164
1984	4,468	3,887	983
1985	3,768	2,675	641
1986	5,285	5,074	1,427
1987	4,635	5,099	1,298
1988	1,940	2,309	446
1989	3,020	2,960	634

GRAIN STORAGE CAPACITY
North Dakota, Dec. 1, 1980-89 2/

Year	On Farm 1/	Off Farm	Total
	Thousand Bushel		
1981, Jan. 1*		154,810	
1982, Jan. 1*		155,112	
1983, Jan. 1		173,530	
1984, Jan. 1		182,8[illegible]	
1985, Jan. 1		186,150	
1986, Jan. 1	919,677	197,200	1,116,877
1986, Dec. 1	901,459	228,630	1,130,089
1987, Dec. 1	885,000	232,092	1,117,092
1988, Dec. 1	910,000	249,140	1,159,140
1989, Dec. 1	850,000	240,240	1,090,240

* Excludes sunflower facilities. 1/ Survey summary indication prior to 1987. 2/ Jan. 1 prior to 1986.

POTATOES
North Dakota, 1984-89

Crop Year	Harvested Acres	Yield per Acre	Production	Stocks on Hand: December 1	January 1	February 1	March 1	April 1	May 1
	(000)	(Cwt.)	(000 Cwt.)	- - - - - - - - - - Thousand Hundredweight - - - - - - - - - -					
					REDS				
1984	26.0	153	3,978	3,366	2,580	1,750	1,100	730	430
1985	28.5	160	4,560	3,500	2,720	2,100	1,750	NA	NA
1986	25.9	165	4,275	3,050	2,850	2,150	NA	NA	NA
1987	NA	NA	NA	3,515	3,100	2,340	NA	NA	NA
1988	NA	NA	NA	1,575	1,118	885	NA	NA	NA
1989 1/	20.9	105	2,190	1,870	1,520	1,250	810	NA	NA
					WHITES				
1984	91.5	155	14,188	9,716	8,130	6,850	5,540	3,020	1,130
1985	84.0	165	13,900	10,600	8,960	6,950	5,000	NA	NA
1986	73.0	181	13,210	9,150	7,550	6,000	NA	NA	NA
1987	NA	NA	NA	10,545	8,215	6,630	NA	NA	NA
1988	NA	NA	NA	6,195	4,902	3,605	NA	NA	NA
1989 1/	90.7	100	9,070	6,270	5,320	4,055	2,785	NA	NA
					RUSSETS				
1984	15.5	158	2,449	2,218	2,190	2,100	1,760	1,350	940
1985	26.5	195	5,170	4,700	4,320	4,150	3,950	NA	NA
1986	21.1	195	4,115	3,300	3,100	2,950	NA	NA	NA
1987	NA	NA	NA	4,440	4,185	4,030	NA	NA	NA
1988	NA	NA	NA	2,730	2,580	2,310	NA	NA	NA
1989 1/	25.4	150	3,810	2,860	2,660	2,495	2,205	NA	NA
					TOTAL				
1984	133.0	155	20,615	15,300	12,900	10,700	8,400	5,100	2,500
1985	139.0	170	23,630	18,800	16,000	13,200	10,700	7,800	3,800
1986	120.0	180	21,600	15,500	13,500	11,100	8,900	5,900	3,000
1987	130.0	185	24,050	18,500	15,500	13,000	10,300	7,000	3,400
1988	135.0	115	15,525	10,500	8,600	6,800	4,600	3,300	2,000
1989 1/	137.0	110	15,070	11,000	9,500	7,800	5,800	3,600	2,200

1/ Preliminary. NA - Not Available.

North Dakota, 1983-88

Crop of	Production	Total Used for Seed 1/	Farm Disposition: Seed, Feed and Home	Shrink and Loss	Sold 2/	Price per Cwt.	Value of: Production	Sales
	- - - - - - - - - - - - - - - Thousand Hundredweight - - - - - - - - - - - - - - -					(Dols.)	(Thousand Dols.)	
1983	20,480	1,972	300	2,058	18,122	4.90	100,352	88,789
1984	20,615	2,175	310	3,710	16,595	4.65	95,860	77,167
1985	23,630	1,984	340	4,725	16,565	3.20	75,616	59,406
1986	21,600	2,025	325	2,375	18,900	4.20	90,720	79,380
1987	24,050	2,170	340	3,310	20,400	3.50	84,175	71,400
1988	15,525	1,813	390	1,475	13,660	6.35	98,584	86,741

1/ Includes seed purchased and seed used on farms where grown. 2/ Consists of potatoes sold for all purposes includes food, seed, processing and livestock feed.

PERCENT PLANTED BY TYPE
North Dakota, 1984-89

Year	Acres	Reds	Whites	Russets
	(000)	- - - - Percent - - - -		
1984	136	19	69	12
1985	145	20	65	15
1986	128	21	62	17
1987	135	21	61	18
1988	140	19	63	18
1989	140	14	68	18

CERTIFIED SEED
North Dakota, 1984-89

Year	Acres Eligible
1984	30,343
1985	32,983
1986	29,047
1987	30,765
1988	29,265
1989	31,203

Source: N.D. State Seed Dept.

WHEAT VARIETIES

HARD RED SPRING WHEAT
Percent of Acreage Planted
by Variety, North Dakota, 1984-89

Variety	1984	1986	1987	1988	1989
	- - - - - - - - - - Percent - - - - - - - - - -				
Butte 86	-	-	.9	18.0	27.8
Stoa	-	28.1	29.3	21.2	21.0
Len	20.6	18.4	19.7	20.0	14.2
Marshall	21.5	13.5	16.6	10.8	10.5
Coteau	6.8	3.6	3.7	4.3	3.1
Pioneer Variety 2369	1.1	5.5	6.1	3.7	2.9
Waldron	6.7	4.9	3.0	2.1	2.6
Alex	10.0	6.0	3.1	2.9	2.3
Wheaton	.5	4.0	2.9	1.8	1.7
Pioneer Variety 2385	-	-		1.0	1.4
Celtic	-	-	-	1.1	1.1
Telemark	-	-	-	.3	1.1
Butte	8.4	2.8	1.6	1.4	1.0
Other	24.4	13.2	13.1	11.4	9.3*
All Varieties	100.0	100.0	100.0	100.0	100.0

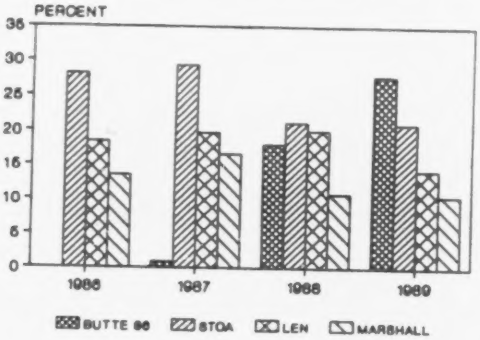
* Includes varieties each with less than 1.0%.

DURUM WHEAT
Percent of Acreage Planted
by Variety, North Dakota, 1984-89

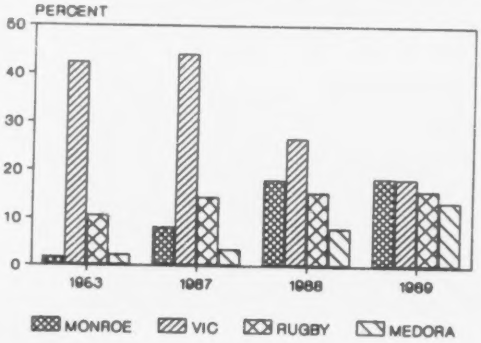
Variety	1984	1986	1987	1988	1989
	- - - - - - - - - - Percent - - - - - - - - - -				
Monroe	-	1.7	8.1	18.0	18.4
Vic	50.4	42.2	43.9	26.6	18.3
Rugby	13.3	10.6	14.4	15.4	15.8
Medora	-	2.3	3.5	8.0	13.5
Ward	18.3	13.6	13.7	11.4	10.9
Sceptre	-	-	-	1.7	8.1
Cando	3.9	3.2	5.7	6.4	4.2
Crosby	5.7	3.9	2.8	3.4	4.2
Lloyd	1.8	20.4	5.4	4.1	2.4
Laker	-	*	*	2.3	2.0
Other	6.6	2.1	2.5	2.7	2.2**
All Varieties	100.0	100.0	100.0	100.0	100.0

* Less than 1.0% included in other.
**Includes varieties each with less than 1.0%.

HARD RED SPRING WHEAT
LEADING VARIETIES PLANTED
NORTH DAKOTA, 1986 - 89



DURUM WHEAT
LEADING VARIETIES PLANTED
NORTH DAKOTA, 1986 - 89



PERCENT OF ACREAGE PLANTED BY DISTRICTS,
North Dakota, 1989

Variety	Northwest	North Central	Northeast	West Central	Central	East Central	Southwest	South Central	Southeast	State
				- - - - - - - - - - Percent Planted - - - - - - - - - -						
HARD RED SPRING WHEAT										
Butte 86	5.7	22.2	25.6	4.0	40.2	47.6	11.0	15.9	46.2	27.8
Stoa	50.0	26.5	8.7	38.0	14.1	13.7	37.2	16.8	12.5	21.0
Len	20.7	20.6	2.2	20.0	15.0	5.2	20.0	26.9	16.4	14.2
Marshall	1.7	2.9	34.5	1.2	4.0	16.0	1.2	4.2	4.6	10.5
Coteau	2.2	4.1	.5	5.5	4.1	1.0	7.0	6.0	2.1	3.1
Pioneer Variety 2369	.4	1.4	4.8	-	5.0	3.6	1.8	1.2	3.2	2.9
Waldron	6.0	2.1	-	12.0	1.6	-	4.7	2.3	1.5	2.6
Alex	4.5	5.4	.2	8.8	1.0	1.0	2.5	2.7	1.0	2.3
Wheaton	.8	.6	3.6	1.8	.1	1.9	1.7	2.9	.7	1.7
Pioneer Variety 2385	.1	3.3	1.4	-	1.5	2.3	.8	.5	1.8	1.4
Celtic	.2	2.7	4.0	-	.7	.2	-	.8	.2	1.1
Telemark	.1	.9	3.7	-	.5	1.3	-	-	.5	1.1
Butte	1.0	.5	.3	.9	1.5	1.7	.8	.5	1.6	1.0
Other	6.6	6.8	10.5	7.8	10.7	4.5	11.3	19.3	7.7	9.3
DURUM										
Monroe	19.2	16.2	10.9	25.7	29.5	20.2	15.4	11.8	39.6	18.4
Vic	27.6	8.9	.3	30.3	24.4	17.5	41.7	35.7	44.9	18.3
Rugby	1.9	30.6	29.4	2.0	21.6	11.3	.3	6.2	1.7	15.8
Medora	22.1	18.1	3.4	14.5	8.2	.7	12.4	9.8	-	13.5
Ward	9.6	8.9	11.7	19.2	12.0	5.9	20.2	.5	10.0	10.9
Sceptre	.8	12.1	20.8	-	1.1	11.3	.2	-	-	8.1
Cando	.1	.7	16.4	-	-	4.6	-	-	-	4.2
Crosby	12.3	-	.9	-	-	-	-	-	3.8	4.2
Lloyd	1.5	2.3	1.8	6.1	-	-	9.8	20.5	-	2.4
Laker	1.6	1.4	1.6	.5	2.2	26.0	-	-	-	2.0
Other	3.3	.8	2.8	1.7	1.0	2.5	-	15.5	-	2.2

WHEAT VARIETIES CONT.

WINTER WHEAT
Percent of Acreage Planted
by Variety, North Dakota, 1984-89

Variety	1984	1986	1987	1988	1989
	- - - - - - - - - - Percent - - - - - - - - - -				
Roughrider	77.5	57.3	58.2	51.4	61.6
Seward	-	-	-	1.4	13.0
Norstar	17.6	23.0	16.5	9.4	9.2
Big Horn	-	2.5	4.4	2.7	6.5
Agassiz	-	10.8	19.0	28.3	6.4
Siouxland	-	1/	.9	3.4	2.3
Rose	1/	3.2	.7	1.8	.6
Other	4.9	3.2	.3	1.6	.4
All Varieties	100.0	100.0	100.0	100.0	100.0

1/ Less than 0.5% included in other.

WINTER WHEAT
Percent of Roughrider Acreage Planted
by Districts, North Dakota, 1987-89

District	1987	1988	1989
	- - - - - - - - - - Percent - - - - - - - - - -		
Northwest	27.5	54.2	6[illegible].5
North Central	52.0	16.6	-
Northeast	80.2	88.9	49.9
West Central	11.3	10.8	28.6
Central	85.5	58.6	47.0
East Central	69.3	68.0	79.3
Southwest	37.2	22.4	20.9
South Central	47.6	42.5	-
Southeast	94.2	88.9	86.9
STATE	58.2	51.4	61.6

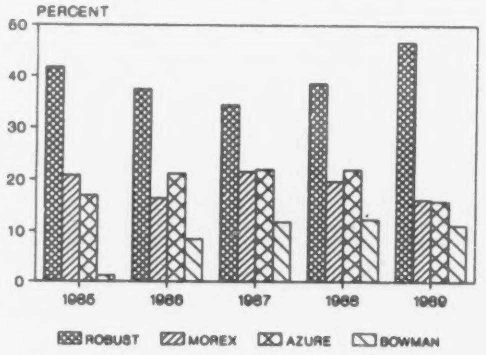
1/ Less than 1.0% included in other.

BARLEY VARIETIES

PERCENT OF ACREAGE PLANTED BY VARIETY
North Dakota, 1985-89

Variety	1985	1986	1987	1988	1989
	- - - - - - - - - - Percent - - - - - - - - - -				
Robust	41.7	37.4	34.3	38.6	46.7
Morex	20.8	16.4	21.5	19.7	16.1
Azure	16.9	21.1	21.9	21.9	15.8
Bowman	1.2	8.4	11.8	12.3	11.2
Busch Variety 1602	-	-	-	-	6.0
Hazen	4.9	6.8	3.9	1.9	1.2
Hector	6.7	4.2	2.6	2.0	1.0
Other	7.8	5.7	4.0	3.6	2.0
All Varieties	100.0	100.0	100.0	100.0	100.0

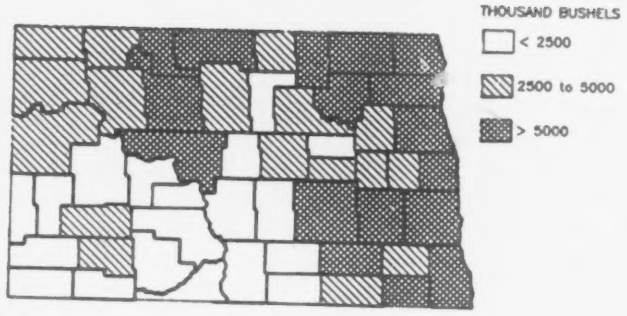
LEADING BARLEY VARIETIES
NORTH DAKOTA, 1985 - 1989

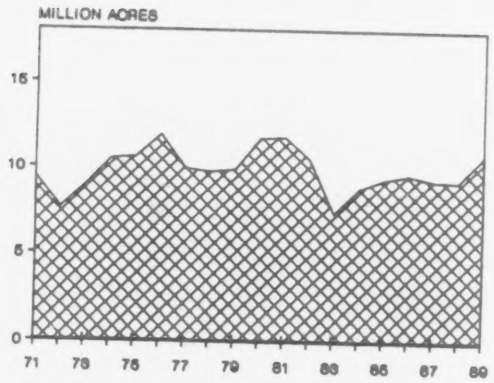


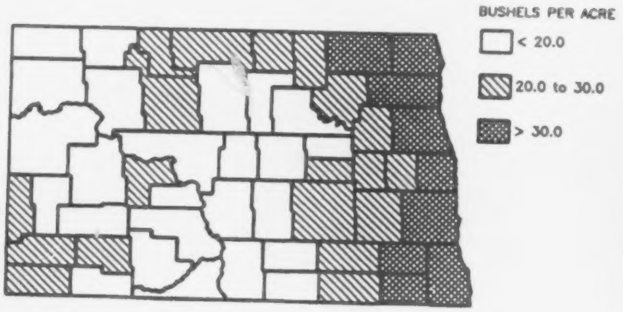
PERCENT OF ACREAGE PLANTED BY DISTRICTS,
North Dakota, 1989

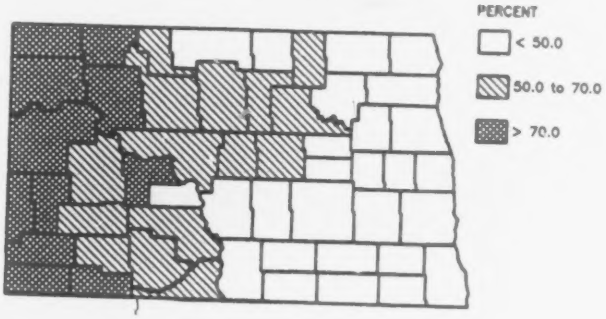
Variety	Northwest	North Central	Northeast	West Central	Central	East Central	Southwest	South Central	Southeast	State
				- - - - - - - - - - Percent - - - - - - - - - -						
Robust	17.5	43.5	78.3	11.6	32.3	49.4	3.7	9.7	52.8	46.7
Morex	50.4	38.1	7.5	19.8	4.1	5.2	.9	7.1	15.1	16.1
Azure	6.1	13.1	11.2	7.1	40.9	29.0	.1	8.9	10.8	15.8
Bowman	15.1	.3	.3	45.7	4.8	-	87.4	60.7	6.0	11.2
Busch Variety 1602	3.9	1.4	2.3	-	7.8	16.3	-	-	9.1	6.0
Hazen	3.1	1.9	.1	2.8	2.7	.1	-	4.3	1.4	1.2
Hector	2.7	-	-	9.9	-	-	4.4	2.3	-	1.0
Other	1.2	1.7	.3	3.1	7.4	-	3.5	7.0	4.8	2.0

ALL WHEAT


PRODUCTION
NORTH DAKOTA, 1989


PLANTED ACRES
NORTH DAKOTA, 1971 - 89


YIELD PER HARVESTED ACRE
NORTH DAKOTA, 1989


PERCENT ON SUMMERFALLOW
NORTH DAKOTA, 1989

North Dakota, 1980-89

Year	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
	(Acres)	(Acres)	(Bu.)	(Bu.)	($/Bu.)	(Dols.)	(Dols.)
1980	11,735,000	9,620,000	18.7	179,650,000	4.52	811,771,000	84.38
1981	11,825,000	11,570,000	28.4	328,260,000	3.58	1,174,305,000	101.50
1982	10,525,000	10,300,000	31.5	324,835,000	3.48	1,129,246,000	109.64
1983	7,370,000	7,205,000	26.9	194,130,000	3.78	733,097,000	101.75
1984	8,820,000	8,660,000	32.8	284,190,000	3.57	1,013,346,000	117.01
1985	9,350,000	8,870,000	36.4	323,255,000	3.26	1,053,977,000	118.82
1986	9,620,000	9,360,000	31.2	292,320,000	2.54	742,835,000	79.19
1987	9,300,000	9,135,000	29.5	269,120,000	2.95	794,146,000	86.93
1988	9,250,000	7,230,000	14.3	103,390,000	4.02	415,925,000	57.53
1989	10,800,000	10,330,000	23.5	242,320,000	3.41	825,988,000	79.96

ALL WHEAT
North Dakota, 1989 and 1988

District and County	1989				1988			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	185,000	181,800	16.6	3,024,000	154,000	136,900	15.7	2,150,800
Divide	224,000	214,300	13.7	2,928,000	194,200	175,600	11.9	2,088,400
Mountrail	257,000	252.500	17.6	4,444,000	218,300	194,800	11.0	2,144,500
Renville	220,000	219,[illegible]00	23.0	5,057,000	180,000	172,500	17.0	2,932,000
Ward	430,400	424,300	21.3	9,040,700	366,500	326,300	12.3	4,000,300
Williams	351,100	344,100	14.0	4,825,000	304,000	261,000	8.0	2,087,500
Northwest	1,667,500	1,636,700	17.9	29,318,700	1,417,000	1,267,100	12.2	15,403,500
Benson	275,000	247,000	18.6	4,596,000	237,000	152,000	10.8	1,645,000
Bottineau	383,300	379,700	25.7	9,776,600	321,000	295,000	15.2	4,488,800
McHenry	195,000	190,000	17.9	3,400,000	172,000	133,500	9.7	1,290,000
Pierce	176,200	148,500	16.3	2,418,700	145,500	91,800	9.9	906,900
Rolette	135,000	133,100	25.7	3,419,000	12[illegible],000	117,500	14.1	1,661,000
North Central	1,164,500	1,098,300	21.5	23,610,300	1,002,500	789,800	12.7	9,991,700
Cavalier	432,000	430,900	31.0	13,368,700	343,500	330,800	18.6	6,160,600
Grand Forks	269,000	268,300	35.8	9,616,200	233,100	228,400	26.4	6,041,000
Nelson	220,500	217,800	22.0	4,789,800	190,700	183,600	17.9	3,285,300
Pembina	284,300	282,700	43.9	12,413,500	227,200	202,100	22.0	4,450,100
Ramsey	295,400	293,400	25.4	7,449,600	262,000	247,400	15.8	3,902,800
Towner	271,300	268,800	26.8	7,216,600	230,500	218,500	15.9	3,474,500
Walsh	317,000	316,900	35.2	11,166,000	263,000	248,000	21.8	5,404,000
Northeast	2,089,500	2,078,800	31.8	66,020,400	1,750,000	1,658,800	19.7	32,718,300
Dunn	124,000	120,600	18.1	2,178,000	106,700	47,800	7.5	359,100
McKenzie	166,800	143,500	19.9	2,861,000	145,500	94,600	8.9	839,600
McLean	365,000	355,500	19.4	6,892,000	308,400	248,000	9.3	2,317,800
Mercer	89,000	83,000	22.5	1,871,000	79,700	48,100	9.6	464,000
Oliver	56,000	47,800	15.0	717,000	47,200	29,700	8.0	237,000
West Central	800,800	750,400	19.3	14,519,000	687,500	468,200	9.0	4,217,500
Eddy	94,900	92,700	16.6	1,534,600	81,500	67,700	12.0	809,200
Foster	145,300	143,700	20.5	2,941,500	124,800	110,600	14.2	1,573,600
Kidder	79,500	48,200	10.8	520,000	72,000	22,900	6.4	147,400
Sheridan	126,000	117,400	13.5	1,588,000	111,300	75,000	8.4	632,300
Stutsman	401,000	398,000	21.1	8,385,900	343,400	250,200	12.5	3,116,800
Wells	275,300	267,900	16.0	4,279,000	234,000	185,800	11.2	2,089,000
Central	1,122,000	1,067,900	18.0	19,249,000	967,000	712,200	11.7	8,368,300
Barnes	347,800	345,100	25.1	8,646,800	288,500	254,800	15.4	3,935,700
Cass	377,200	376,400	33.9	12,778,300	304,800	284,600	19.2	5,468,400
Griggs	134,500	134,200	22.7	3,048,000	120,000	113,300	18.0	2,044,200
Steele	162,000	161,900	29.1	4,708,300	135,800	130,300	23 8	3,105,600
Traill	179,500	179.400	35.0	6,275,600	145,900	143,300	31.0	4,436,000
East Central	1,201,000	1,197,000	29.6	35,457,000	995,000	926,300	20.5	18,989,900
Adams	124,000	121,500	19.3	2,344,500	114,000	58,900	7.1	419,800
Billings	34,800	31,300	18.3	572,700	42,000	21,200	6.8	144,300
Bowman	99,500	96,600	22.7	2,195,000	95,000	59,500	8.2	489,800
Golden Valley	94,000	90,300	25.3	2,287,100	81,500	37,200	6.4	237,600
Hettinger	235,700	232,500	21.1	4,914,400	203,500	152,000	9.0	1,367,000
Slope	101,900	100,500	24.3	2,444,900	97,000	74,600	9.1	679,200
Stark	184,600	172,800	14.6	2,529,700	158,000	98,600	7.7	754,800
Southwest	874,500	845,500	20.4	17,288,300	791,000	502,000	8.2	4,092,500
Burleigh	161,900	112,100	9.3	1,040,600	137,500	48,500	6.5	313,000
Emmons	201,500	127,300	9.3	1,178,000	170,000	40,000	5.5	220,000
Grant	133,100	115,300	13.8	1,594,900	110,500	57,700	8.1	464,900
Morton	152,200	125,600	15.0	1,879,000	133,500	66,000	7.7	511,300
Sioux	35,500	25,200	14.0	352,000	36,500	11,900	5.3	63,000
South Central	684,200	505,500	12.0	6,044,500	588,000	224,100	7.0	1,572,200
Dickey	167,500	163,400	21.8	3,555,600	164,000	100,000	9.0	898,000
LaMoure	238,200	235,300	26.2	6,175,600	202,500	136,300	11.9	1,624,300
Logan	124,300	96,900	15.8	1,530,000	105,200	41,200	9.4	389,000
McIntosh	153,000	143,100	13.9	1,991,000	134,100	34,300	6.1	208,000
Ransom	128.900	128,000	31.2	3,990,800	113,000	86,700	10.8	933,000
Richland	227,300	227,300	36.7	8,352,400	200,700	193,600	16.2	3,132,500
Sargent	156,800	155,900	33.5	5,217,400	132,500	89,400	9.5	851,300
Southeast	1,196,000	1,149,900	26.8	30,812,800	1,052,000	681,500	11.8	8,036,100
STATE	10,800,000	10,330,000	23.5	242,320,000	9,250,000	7,230,000	14.3	103,390,000

ALL WHEAT
North Dakota, 1987 and 1986

District and County	1987				1986			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	156,200	154,700	23.0	3,559,000	164,000	161,200	33.9	5,468,700
Divide	204,300	198,100	29.3	5,811,600	203,000	199,800	33.9	6,765,600
Mountrail	226,500	223,400	19.3	4,312,100	235,000	232,500	37.7	8,769,300
Renville	180,000	179,000	23.6	4,231,000	182,500	181,900	37.3	6,776,000
Ward	361,900	339,700	20.4	6,931,300	372,500	371,400	37.0	13,724,000
Williams	286,600	284,800	24.0	6,822,000	303,000	298,200	31.4	9,368,400
Northwest	1,415,500	1,379,700	23.0	31,667,000	1,460,000	1,445,000	35.2	50,872,000
Benson	226,300	225,700	25.3	5,701,000	218,000	212,900	28.6	6,096,300
Bottineau	311,000	306,200	23.8	7,275,000	332,000	326,500	35.2	11,506,000
McHenry	179,000	172,700	20.5	3,535,000	187,000	182,800	28.6	5,219,200
Pierce	156,400	152,700	19.6	2,987,000	157,000	154,800	25.7	3,971,500
Rolette	120,800	117,200	25.2	2,959,000	136,000	132,000	33.0	4,355,000
North Central	993,500	974,500	23.0	22,457,000	1,030,000	1,009,000	30.9	31,150,000
Cavalier	345,300	344,300	39.7	13,656,500	330,500	322,500	35.6	11,467,000
Grand Forks	230,400	228,000	42.8	9,769,400	240,500	240,200	39.1	9,401,000
Nelson	202,800	200,200	32.5	6,497,500	207,000	204,600	31.0	6,339,400
Pembina	231,000	231,000	46.4	10,714,000	242,000	242,000	39.0	9,444,000
Ramsey	266,800	265,100	30.1	7,972,200	277,000	264,800	30.3	8,016,600
Towner	235,800	234,700	30.7	7,198,700	234,000	221,000	27.2	6,003,000
Walsh	267,900	267,100	44.0	11,758,700	274,000	272,900	38.6	10,539,000
Northeast	1,780,000	1,770,400	38.2	67,567,000	1,805,000	1,768,000	34.6	61,210,000
Dunn	108,100	101,500	22.4	2,277,000	112,000	107,000	29.0	3,101,000
McKenzie	147,200	144,900	24.6	3,570,100	151,500	143,500	29.1	4,172,400
McLean	332,000	328,200	21.9	7,176,000	350,000	347,100	33.8	11,723,000
Mercer	77,700	76,300	25.6	1,953,500	83,500	83,500	31.6	2,640,000
Oliver	51,000	49,900	24.0	1,195,400	48,000	46,900	29.8	1,395,600
West Central	716,000	700,800	23.1	16,172,000	745,000	728,000	31.6	23,032,000
Eddy	79,000	77,200	28.5	2,198,500	89,500	88,000	28.3	2,489,000
Foster	123,200	117,100	30.3	3,552,600	130,000	126,800	31.5	3,995,500
Kidder	82,700	81,300	23.6	1,919,800	100,000	98,800	21.3	2,104,000
Sheridan	121,400	120,300	23.9	2,880,000	122,000	120,000	27.8	3,332,500
Stutsman	357,700	356,000	31.1	11,086,000	394,500	383,400	30.8	11,795,000
Wells	237,500	230,600	28.1	6,469,100	224,000	221,000	30.9	6,834,000
Central	1,001,500	982,500	28.6	28,106,000	1,060,000	1,038,000	29.4	30,550,000
Barnes	279,500	278,700	34.0	9,462,000	287,000	282,500	31.8	8,983,000
Cass	305,200	302,600	43.0	13,018,100	315,000	307,400	33.9	10,410,600
Griggs	119,700	116,100	30.1	3,492,200	112,500	111,500	29.4	3,281,000
Steele	134,300	131,000	35.1	4,595,100	123,500	122,900	35.9	4,412,000
Traill	147,300	144,800	40.7	5,888,600	147,000	146,700	36.5	5,356,400
East Central	986,000	973,200	37.5	36,456,000	985,000	971,000	33.4	32,443,000
Adams	120,500	117,000	28.6	3,344,000	122,000	114,300	24.3	2,777,000
Billings	32,000	30,400	24.7	752,000	36,500	35,400	25.6	907,800
Bowman	110,700	106,000	25.7	2,727,000	102,500	98,800	23.9	2,361,500
Golden Valley	81,800	80,000	28.6	2,289,300	69,000	65,700	24.0	1,575,000
Hettinger	208,500	201,100	26.9	5,403,400	242,500	238,000	31.1	7,402,200
Slope	90,500	89,500	29.4	2,632,900	94,500	92,500	26.3	2,431,500
Stark	163,500	162,000	26.8	4,340,400	158,000	151,300	28.6	4,323,000
Southwest	807,500	786,000	27.3	21,489,000	825,000	796,000	27.4	21,778,000
Burleigh	139,500	133,900	23.9	3,194,400	166,000	159,200	25.1	3,989,500
Emmons	178,000	175,400	24.2	4,251,400	184,400	179,000	21.4	3,831,000
Grant	108,000	105,000	25.7	2,701,600	114,400	106,400	24.9	2,653,000
Morton	132,000	127,800	28.0	3,583,600	136,900	123,600	30.5	3,770,000
Sioux	35,500	28,400	21.0	597,000	48,300	41,800	20.2	842,500
South Central	593,000	570,500	25.1	14,328,000	650,000	610,000	24.7	15,086,000
Dickey	140,000	137,200	27.9	3,827,800	182,000	173,500	23.2	4,031,000
LaMoure	191,000	190,600	29.7	5,654,400	189,000	178,700	25.6	4,579,000
Logan	110,600	110,400	25.1	2,765,900	103,200	100,100	26.1	2,615,000
McIntosh	136,000	131,400	22.5	2,950,200	136,500	130,400	22.0	2,868,000
Ransom	107,900	107,200	31.7	3,403,300	115,800	110,500	28.7	3,176,000
Richland	200,500	200,400	42.6	8,530,000	206,500	202,700	29.3	5,930,000
Sargent	121,000	120,200	31.2	3,746,400	127,000	119,100	25.2	3,000,000
Southeast	1,007,000	997,400	31.0	30,878,000	1,060,000	1,015,000	25.8	26,199,000
STATE	9,300,000	9,135,000	29.5	269,120,000	9,620,000	9,380,000	31.2	292,320,000

ALL WHEAT
North Dakota, 1985 and 1984

District and County	1985				1984			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	156,000	144,500	26.2	3,786,800	160,000	154,500	22.4	3,467,000
Divide	181,000	164,500	12.0	1,969,500	183,000	178,800	15.3	2,732,400
Mountrail	213,500	203,500	31.6	6,425,300	209,000	204,200	21.5	4,395,600
Renville	175,000	170,000	43.6	7,414,500	173,500	172,000	31.9	5,492,000
Ward	361,500	348,500	42.5	14,797,900	360,500	357,600	28.9	10,350,400
Williams	283,000	262,000	14.3	3,753,000	279,000	270,000	15.6	4,222,000
Northwest	1,370,000	1,293,000	29.5	38,147,000	1,365,000	1,337,100	22.9	30,659,400
Benson	219,000	215,500	33.5	7,219,500	212,000	209,700	30.6	6,413,700
Bottineau	315,000	276,300	42.7	11,810,100	301,000	293,700	27.0	7,916,000
McHenry	184,000	177,000	37.1	6,569,000	165,000	164,900	25.4	4,182,000
Pierce	154,000	149,400	31.3	4,675,400	144,500	143,200	26.9	3,846,800
Rolette	113,000	110,800	37.4	4,144,000	112,500	109,500	30.1	3,300,000
North Central	985,000	929,000	37.0	34,418,000	935,000	921,000	27.9	25,658,500
Cavalier	330,000	325,800	50.4	16,410,800	294,000	291,900	39.8	11,629,200
Grand Forks	229,000	223,500	51.3	11,464,200	216,000	210,500	49.3	10,371,000
Nelson	191,000	185,600	40.2	7,462,400	180,000	178,400	38.8	6,920,600
Pembina	233,500	233,100	53.8	12,540,000	225,000	224,600	50.2	11,278,200
Ramsey	241,500	239,700	40.8	9,781,000	234,000	230,200	34.2	7,861,600
Towner	225,000	217,000	40.7	8,827,000	222,000	217,600	31.0	6,747,400
Walsh	268,000	253,300	52.2	13,210,600	251,000	247,600	50.4	12,490,600
Northeast	1,718,000	1,678,000	47.5	79,696,000	1,622,000	1,600,800	42.0	67,298,600
Dunn	115,000	104,300	27.5	2,871,500	121,000	118,800	24.7	2,935,800
McKenzie	148,000	130,400	19.0	2,483,600	137,000	128,700	21.3	2,735,100
McLean	314,000	305,900	38.1	11,649,900	291,500	286,800	27.0	7,749,700
Mercer	82,000	80,400	39.3	3,162,000	79,000	77,000	26.1	2,009,000
Oliver	51,000	50,000	35.4	1,769,000	42,500	42,400	27.6	1,172,000
West Central	710,000	671,000	32.7	21,936,000	671,000	653,700	25.4	16,601,600
Eddy	85,000	82,500	30.7	2,532,500	71,000	70,900	28.7	2,034,400
Foster	121,000	113,000	35.7	4,038,000	111,000	110,900	36.3	4,023,600
Kidder	102,000	101,500	23.1	2,348,500	90,000	89,000	25.5	2,271,900
Sheridan	122,000	113,800	35.0	3,978,800	114,500	112,100	26.2	2,937,700
Stutsman	370,000	347,500	32.2	11,177,900	337,500	330,900	34.8	11,527,700
Wells	220,000	210,700	35.2	7,417,300	211,000	208,700	32.1	6,693,700
Central	1,020,000	969,000	32.5	31,493,000	935,000	922,500	32.0	29,489,000
Barnes	300,000	267,000	36.1	9,645,400	276,500	272,600	40.7	11,087,400
Cass	308,000	290,200	55.3	16,054,600	290,500	288,000	49.2	14,159,200
Griggs	117,000	109,000	42.2	4,605,000	105,000	102,800	36.4	3,742,900
Steele	140,000	131,300	44.7	5,869,500	140,000	138,400	44.8	6,193,400
Traill	148,000	144,500	55.6	8,038,500	146,000	145,100	48.2	6,995,400
East Central	1,013,000	942,000	46.9	44,213,000	958,000	946,900	44.5	42,178,300
Adams	120,000	115,000	25.1	2,881,000	109,500	104,200	31.5	3,285,000
Billings	34,500	23,000	13.5	310,000	35,000	32,300	21.2	683,400
Bowman	105,000	95,700	19.0	1,821,700	103,000	100,900	26.2	2,646,400
Golden Valley	81,500	67,000	16.1	1,080,300	70,000	66,600	22.8	1,519,000
Hettinger	223,000	210,500	31.6	6,661,100	205,000	202,800	34.0	6,903,000
Slope	90,000	85,600	25.3	2,163,800	89,000	88,200	29.5	2,598,000
Stark	168,000	150,200	27.2	4,079,100	167,500	165,100	27.9	4,611,600
Southwest	822,000	747,000	25.4	18,997,000	779,000	760,100	29.3	22,246,400
Burleigh	158,000	157,000	28.3	4,448,100	140,500	139,700	25.4	3,545,300
Emmons	185,000	182,200	24.7	4,493,900	182,000	181,800	28.5	5,179,000
Grant	114,000	111,100	28.8	3,205,200	106,500	99,500	26.1	2,598,000
Morton	136,000	130,700	29.2	3,822,000	135,000	128,700	25.6	3,292,300
Sioux	44,000	37,000	25.7	951,800	46,000	35,300	28.6	1,009,400
South Central	637,000	618,000	27.4	16,921,000	610,000	585,000	26.7	15,624,000
Dickey	159,000	155,000	33.5	5,188,300	129,000	123,400	35.2	4,349,400
LaMoure	196,000	178,400	33.3	5,937,400	183,000	181,200	37.0	6,707,600
Logan	112,000	110,400	28.0	3,086,000	99,000	99,000	30.3	2,999,500
McIntosh	137,000	133,700	22.3	2,978,500	125,000	125,000	28.8	3,605,800
Ransom	114,000	99,000	40.1	3,966,500	104,000	103,000	40.3	4,152,000
Richland	209,000	206,000	50.7	10,441,000	180,000	179,500	43.5	7,804,000
Sargent	148,000	140,500	41.5	5,836,300	125,000	121,800	39.5	4,815,900
Southeast	1,075,000	1,023,000	36.6	37,434,000	945,000	932,900	36.9	34,434,200
STATE	9,350,000	8,870,000	36.4	323,255,000	8,820,000	8,660,000	32.8	284,190,000

ALL WHEAT
North Dakota, 1989 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	150,100	149,100	17.3	2,574,800	34,900	32,700	13.7	449,200
Divide	211,400	203,300	13.6	2,767,600	11,000	9,400	8.7	82,200
Mountrail	205,000	203,400	18.9	3,846,500	52,000	49,100	12.2	597,500
Renville	143,300	143,100	24.1	3,447,200	76,700	76,600	21.0	1,609,800
Ward	239,500	237,300	23.9	5,662,900	190,700	186,800	18.0	3,368,300
Williams	324,000	317,900	13.7	4,352,700	23,600	22,700	11.4	259,700
Northwest	1,273,300	1,254,100	18.1	22,651,700	388,900	377,300	16.9	6,366,700
Benson	153,900	143,000	20.2	2,892,100	119,800	102,700	16.0	1,641,700
Bottineau	186,600	184,400	28.2	5,195,100	196,700	195,300	23.5	4,581,500
McHenry	109,900	108,500	19.2	2,087,000	84,900	81,300	16.0	1,304,000
Pierce	111,600	92,000	17.5	1,611,600	64,600	56,500	14.3	807,100
Rolette	65,400	64,900	27.6	1,793,500	69,600	68,200	23.8	1,625,500
North Central	627,400	592,800	22.9	13,579,300	535,600	504,000	19.8	9,959,800
Cavalier	191,400	191,200	34.2	6,535,800	240,600	239,700	28.5	6,832,900
Grand Forks	72,800	72,700	36.6	2,659,400	195,400	194,900	35.5	6,921,800
Nelson	89,400	88,700	24.8	2,200,000	131,100	129,100	20.1	2,589,800
Pembina	64,300	63,900	46.6	2,976,900	220,000	218,800	43.1	9,436,600
Ramsey	140,700	140,000	27.2	3,812,800	154,700	153,400	23.7	3,636,800
Towner	137,700	136,700	28.8	3,935,300	133,600	132,100	24.8	3,281,300
Walsh	79,100	79,100	34.2	2,703,300	237,800	237,700	35.6	8,458,200
Northeast	775,400	772,300	32.1	24,823,500	1,313,200	1,305,700	31.5	41,157,400
Dunn	86,700	83,900	19.5	1,635,800	37,300	36,700	14.8	542,200
McKenzie	138,300	120,800	18.5	2,239,800	22,400	16,600	13.7	227,700
McLean	231,000	228,000	22.1	5,032,600	132,900	126,400	14.2	1,796,400
Mercer	69,100	66,500	23.8	1,582,800	19,800	16,400	17.3	283,200
Oliver	27,700	25,800	18.4	474,000	28,300	22,000	11.0	243,000
West Central	552,800	525,000	20.9	10,965,000	240,700	218,100	14.2	3,092,500
Eddy	33,300	32,400	21.1	684,800	61,200	60,000	14.0	840,800
Foster	50,700	50,300	22.6	1,139,100	94,100	92,900	19.2	1,783,400
Kidder	38,000	28,100	12.4	348,800	41,200	19,900	8.3	164,200
Sheridan	78,400	76,800	15.9	1,218,800	47,600	40,600	9.1	369,200
Stutsman	173,500	172,900	25.9	4,476,700	227,500	225,100	17.4	3,909,200
Wells	151,800	149,900	18.4	2,752,800	123,500	118,000	12.9	1,526,200
Central	525,700	510,400	20.8	10,621,000	595,100	556,500	15.4	8,593,000
Barnes	130,400	129,100	29.1	3,758,100	217,100	215,700	22.6	4,875,200
Cass	83,000	82,800	38.5	3,186,500	293,100	292,500	32.6	9,536,800
Griggs	43,900	43,900	26.7	1,173,800	90,200	89,900	20.6	1,854,200
Steele	51,700	51,700	31.8	1,646,600	110,000	109,900	27.7	3,048,200
Traill	34,400	34,400	42.9	1,474,500	145,100	145,000	33.1	4,801,100
East Central	343,400	341,900	32.9	11,239,500	855,500	853,000	28.3	24,115,500
Adams	87,200	86,200	21.0	1,812,400	36,800	35,300	15.1	532,100
Billings	24,300	23,000	18.5	424,800	10,500	8,300	17.8	147,900
Bowman	85,500	83,100	23.3	1,939,300	14,000	13,500	18.9	255,700
Golden Valley	73,700	70,600	26.0	1,834,700	20,300	19,700	23.0	452,400
Hettinger	141,900	140,100	24.2	3,396,100	93,800	92,400	16.4	1,518,300
Slope	78,600	77,900	25.6	1,990,600	23,300	22,600	20.1	454,300
Stark	124,100	121,900	16.4	2,000,500	60,500	50,900	10.4	529,200
Southwest	615,300	602,800	22.2	13,398,400	259,200	242,700	16.0	3,889,900
Burleigh	68,600	61,600	11.4	704,900	93,300	50,500	6.6	335,700
Emmons	66,500	49,700	9.2	455,300	134,200	76,900	8.8	674,700
Grant	70,500	64,100	15.6	1,003,100	62,600	51,200	11.6	591,800
Morton	97,800	90,600	16.7	1,515,100	54,400	35,000	10.4	363,900
Sioux	18,400	14,000	16.8	235,100	17,100	11,200	10.4	116,900
South Central	321,800	280,000	14.0	3,913,500	361,600	224,800	9.3	2,083,000
Dickey	47,400	45,400	24.7	1,120,900	120,000	117,900	20.6	2,430,700
LaMoure	103,600	101,600	28.5	2,900,100	134,400	133,500	24.5	3,266,000
Logan	51,400	46,700	19.7	918,700	72,800	50,100	12.1	606,300
McIntosh	63,700	60,800	15.9	963,800	89,300	82,300	12.5	1,027,200
Ransom	48,600	48,200	33.3	1,605,600	80,000	79,500	29.8	2,367,200
Richland	21,000	21,000	44.6	936,300	206,300	206,300	35.9	7,416,100
Sargent	37,600	37,300	37.9	1,415,500	119,200	118,600	32.1	3,801,900
Southeast	373,300	361,000	27.3	9,860,900	822,000	788,200	26.5	20,915,400
STATE	5,408,400	5,240,300	23.1	121,052,800	5,371,800	5,070,300	23.7	120,173,200

1/ See page 122 for irrigated acres.

ALL WHEAT
North Dakota, 1988 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	131,100	120,700	16.5	1,989,900	22,900	16,200	9.9	160,900
Divide	180,000	167,100	11.9	1,989,400	12,100	6,400	7.9	50,700
Mountrail	176,900	160,500	11.6	1,859,700	41,400	34,300	8.3	284,800
Renville	134,400	129,000	18.7	2,411,700	45,600	43,500	12.0	520,300
Ward	220,700	205,400	14.1	2,896,800	145,400	120,500	9.1	1,095,500
Williams	282,800	252,800	7.8	1,978,500	17,300	4,700	5.4	25,500
Northwest	1,125,900	1,035,500	12.7	13,126,000	284,700	225,600	9.5	2,137,700
Benson	149,300	116,400	11.5	1,340,700	86,700	34,700	8.2	285,300
Bottineau	201,900	188,100	16.6	3,129,100	118,800	106,600	12.7	1,349,000
McHenry	103,000	89,400	10.9	977,200	68,600	43,700	7.0	304,000
Pierce	96,400	73,600	9.9	731,900	49,100	18,200	9.6	175,000
Rolette	70,400	65,300	15.3	1,000,700	56,600	52,200	12.6	660,300
North Central	621,000	532,800	13.5	7,179,600	379,800	255,400	10.9	2,773,600
Cavalier	187,900	182,200	21.7	3,949,600	155,600	148,600	14.9	2,211,000
Grand Forks	93,400	92,400	30.4	2,805,000	139,000	135,300	23.7	3,204,500
Nelson	97,800	95,200	19.4	1,847,400	92,900	88,400	16.3	1,437,900
Pembina	72,100	70,900	24.5	1,738,900	155,100	131,200	20.7	2,711,200
Ramsey	140,300	134,400	18.3	2,463,800	121,700	113,000	12.7	1,439,000
Towner	132,700	126,900	17.4	2,205,900	97,800	91,600	13.8	1,268,600
Walsh	92,400	90,900	23.8	2,165,100	170,500	157,000	20.6	3,233,900
Northeast	816,600	792,900	21.7	17,175,700	932,600	865,100	17.9	15,506,100
Dunn	73,900	42,500	8.0	338,100	32,800	5,300	4.0	21,000
McKenzie	120,700	85,600	7.8	670,000	18,700	3,100	5.3	16,500
McLean	209,500	189,100	10.3	1,956,300	97,500	57,600	5.8	334,900
Mercer	64,700	45,900	9.8	448,600	15,000	2,200	7.0	15,400
Oliver	29,800	24,100	9.0	215,800	17,400	5,600	3.8	21,200
West Central	498,600	387,200	9.4	3,628,800	181,400	73,800	5.5	409,000
Eddy	39,100	36,400	12.9	469,600	41,800	30,700	10.7	327,600
Foster	57,700	52,300	16.7	871,900	66,600	57,800	11.9	686,700
Kidder	33,900	16,800	6.6	111,400	37,100	5,400	4.5	24,300
Sheridan	69,700	56,300	9.0	509,100	41,600	18,700	6.6	123,200
Stutsman	166,700	153,300	14.1	2,162,000	176,200	96,500	9.8	947,600
Wells	139,000	123,400	12.4	1,527,500	95,000	62,400	9.0	561,500
Central	506,100	438,500	12.9	5,651,500	458,300	271,500	9.8	2,670,900
Barnes	137,100	127,800	18.5	2,367,600	150,700	126,300	12.3	1,548,500
Cass	94,900	91,100	24.0	2,190,700	207,900	191,500	16.7	3,204,400
Griggs	63,200	61,300	19.5	1,192,500	56,300	51,500	16.3	837,700
Steele	65,200	62,600	26.5	1,656,200	70,400	67,500	21.4	1,441,400
Traill	48,400	47,400	33.7	1,595,800	97,400	95,800	29.6	2,836,200
East Central	408,800	390,200	23.1	9,002,800	582,700	532,600	18.5	9,868,200
Adams	86,400	51,100	7.6	390,300	27,600	7,800	3.8	29,500
Billings	32,200	19,200	7.0	134,700	9,800	2,000	4.8	9,600
Bowman	84,700	57,500	8.3	477,600	10,200	1,900	5.3	10,000
Golden Valley	64,700	36,000	6.5	233,400	16,800	1,200	3.5	4,200
Hettinger	146,200	122,400	9.9	1,213,300	57,300	29,600	5.2	153,700
Slope	79,600	68,200	9.5	651,100	17,400	6,400	4.4	28,100
Stark	105,900	78,300	8.1	636,300	52,100	20,000	5.9	118,500
Southwest	599,700	433,000	8.6	3,736,700	191,200	68,900	5.1	353,600
Burleigh	76,900	39,500	7.0	277,800	60,500	9,000	3.9	35,200
Emmons	80,500	31,900	5.4	172,100	88,800	7,500	4.9	37,100
Grant	74,500	50,600	8.5	429,300	36,000	7,100	5.0	35,600
Morton	93,500	56,900	7.9	448,800	40,000	9,100	6.9	62,500
Sioux	19,700	8,500	5.1	43,600	16,400	3,100	4.7	14,600
South Central	345,100	187,400	7.3	1,371,600	241,700	35,800	5.2	185,000
Dickey	53,300	40,900	12.7	520,700	110,100	58,500	6.2	361,700
LaMoure	99,000	87,700	14.5	1,273,200	103,100	48,300	7.1	344,300
Logan	57,900	38,100	9.9	377,800	47,300	3,100	3.6	11,200
McIntosh	66,300	29,500	6.3	185,100	67,800	4,800	4.8	22,900
Ransom	51,400	44,500	13.1	583,500	61,300	41,900	8.1	340,500
Richland	38,600	37,600	20.0	751,000	162,100	156,000	15.3	2,381,500
Sargent	51,900	39,600	12.5	496,100	80,500	49,700	7.1	352,900
Southeast	418,400	317,900	13.2	4,187,400	632,200	362,300	10.5	3,815,000
STATE	5,340,200	4,515,400	14.4	65,060,100	3,884,600	2,691,000	14.0	37,719,100

1/ See page 123 for irrigated acres.

ALL WHEAT
North Dakota, 1987 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	129,900	128,500	23.3	2,988,200	26,300	26,200	21.8	570,800
Divide	185,000	178,900	29.6	5,297,500	17,800	17,700	24.4	431,600
Mountrail	191,500	190,700	19.9	3,788,900	35,000	32,700	16.0	523,200
Renville	126,100	125,500	26.0	3,269,000	53,900	53,500	18.0	962,000
Ward	210,500	199,700	22.7	4,537,800	151,100	139,700	17.0	2,380,000
Williams	267,800	266,400	23.8	6,327,400	15,000	14,600	19.5	284,400
Northwest	1,110,800	1,089,700	24.1	26,208,800	299,100	284,400	18.1	5,152,000
Benson	123,100	122,800	27.0	3,311,500	101,900	101,600	23.1	2,344,100
Bottineau	177,500	176,100	26.6	4,676,000	133,300	129,900	19.9	2,591,000
McHenry	102,500	100,500	22.2	2,234,800	76,200	71,900	17.9	1,286,400
Pierce	90,600	89,400	21.9	1,962,200	65,800	63,300	16.2	1,024,800
Rolette	66,000	65,000	29.0	1,886,000	54,800	52,200	20.6	1,073,000
North Central	559,700	553,800	25.4	14,070,500	432,000	418,900	19.9	8,319,300
Cavalier	177,900	177,500	41.1	7,291,600	167,400	166,800	38.2	6,364,900
Grand Forks	85,900	85,300	41.8	3,566,200	143,900	142,100	43.5	6,176,200
Nelson	99,900	98,700	34.2	3,370,700	102,900	101,500	30.8	3,126,800
Pembina	74,900	74,900	47.0	3,517,400	156,100	156,100	46.1	7,196,600
Ramsey	144,900	143,700	31.6	4,542,200	121,900	121,400	28.3	3,430,000
Towner	122,300	121,700	31.3	3,814,900	113,500	113,000	29.9	3,383,800
Walsh	86,800	86,400	43.1	3,723,400	181,000	180,600	44.5	8,031,300
Northeast	792,600	788,200	37.8	29,826,400	986,700	981,500	38.4	37,709,600
Dunn	73,500	70,300	24.0	1,687,800	34,600	31,200	18.9	589,200
McKenzie	125,400	123,400	23.5	2,898,000	17,000	16,700	20.8	348,100
McLean	213,600	211,500	24.0	5,066,800	116,500	114,800	17.7	2,031,800
Mercer	60,800	60,500	27.9	1,686,700	16,800	15,700	16.8	263,300
Oliver	32,400	31,700	27.2	861,800	18,500	18,100	18.2	329,600
West Central	505,700	497,400	24.5	12,201,100	203,400	196,500	18.1	3,562,000
Eddy	31,200	30,400	31.1	944,300	47,300	46,300	26.7	1,236,700
Foster	57,200	56,000	31.4	1,757,100	65,200	60,300	29.3	1,767,500
Kidder	36,200	35,400	27.1	960,700	45,400	44,800	20.3	911,200
Sheridan	68,800	68,500	26.0	1,780,800	52,600	51,800	21.2	1,099,200
Stutsman	160,200	160,200	34.4	5,506,600	197,200	195,500	28.5	5,565,300
Wells	126,700	121,900	30.9	3,763,300	110,800	108,700	24.9	2,705,800
Central	480,300	472,400	31.1	14,712,800	518,500	507,400	26.2	13,285,700
Barnes	123,500	123,100	37.4	4,599,000	155,500	155,100	31.2	4,843,000
Cass	81,000	80,500	43.6	3,506,700	222,500	220,400	42.8	9,437,400
Griggs	61,400	59,600	32.0	1,907,000	57,600	55,800	27.9	1,558,400
Steele	59,000	57,900	36.6	2,119,600	74,800	72,600	33.8	2,454,500
Traill	46,500	45,600	41.7	1,901,300	100,700	99,100	40.2	3,982,800
East Central	371,400	366,700	38.3	14,033,600	611,100	603,000	36.9	22,276,100
Adams	92,600	89,900	30.2	2,710,900	27,900	27,100	23.4	633,100
Billings	25,300	24,400	26.8	653,100	6,700	6,000	16.5	98,900
Bowman	93,500	89,500	27.1	2,422,000	17,200	16,500	18.5	305,000
Golden Valley	65,800	64,900	29.0	1,880,000	16,000	15,100	27.1	409,300
Hettinger	142,200	137,300	27.5	3,782,000	66,300	63,800	25.4	1,621,400
Slope	67,000	66,300	30.9	2,045,400	23,500	23,200	25.3	587,500
Stark	111,200	110,500	28.5	3,147,400	52,300	51,500	23.2	1,193,000
Southwest	597,600	582,800	28.6	16,640,800	209,900	203,200	23.9	4,848,200
Burleigh	68,500	66,000	26.9	1,772,900	70,900	67,800	20.9	1,417,000
Emmons	67,600	67,500	26.9	1,817,500	109,400	106,900	22.3	2,378,900
Grant	67,100	65,700	26.6	1,748,400	40,900	39,300	24.3	953,200
Morton	83,300	80,600	29.4	2,368,800	48,600	47,100	25.7	1,210,800
Sioux	18,900	15,100	23.4	353,300	16,200	12,900	17.7	227,700
South Central	305,400	294,900	27.3	8,060,900	286,000	274,000	22.6	6,187,600
Dickey	48,800	47,200	30.2	1,426,200	90,500	89,300	26.4	2,360,900
LaMoure	89,100	88,800	31.6	2,805,900	101,400	101,300	27.9	2,823,500
Logan	56,800	56,800	27.3	1,553,300	53,400	53,200	22.3	1,186,600
McIntosh	66,500	64,600	25.8	1,666,200	69,500	66,800	19.2	1,284,000
Ransom	42,700	42,400	35.1	1,488,500	64,500	64,100	29.3	1,879,800
Richland	38,000	37,900	41.4	1,569,600	162,500	162,500	42.8	6,960,400
Sargent	31,400	31,200	36.4	1,135,100	89,500	88,900	29.3	2,606,300
Southeast	373,300	368,900	31.6	11,644,800	631,300	626,100	30.5	19,103,500
STATE	5,096,800	5,014,800	29.4	147,399,700	4,178,000	4,095,000	29.4	120,444,000

1/ See page 124 for irrigated acres.

ALL WHEAT
North Dakota, 1986 1/

District and County	Summer Fallow: Acres Planted	Summer Fallow: Acres Harvested	Summer Fallow: Yield Per Harvested Acre	Summer Fallow: Production	Continuous Cropping: Acres Planted	Continuous Cropping: Acres Harvested	Continuous Cropping: Yield Per Harvested Acre	Continuous Cropping: Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	140,700	138,800	33.8	4,694,500	23,300	22,400	34.6	774,200
Divide	187,400	184,500	34.1	6,284,800	13,900	13,700	28.2	386,400
Mountrail	177,400	175,600	38.2	6,702,600	57,600	56,900	36.3	2,066,700
Renville	135,000	134,600	38.5	5,187,200	47,500	47,300	33.6	1,588,800
Ward	200,600	200,600	39.0	7,813,700	171,400	170,300	34.6	5,887,300
Williams	271,400	268,800	31.7	8,521,900	27,500	25,300	24.6	621,300
Northwest	1,112,500	1,102,900	35.5	39,204,700	341,200	335,900	33.7	11,324,700
Benson	113,800	111,100	30.6	3,396,600	102,500	100,100	26.4	2,639,600
Bottineau	190,000	186,400	36.2	6,747,700	142,000	140,100	34.0	4,758,300
McHenry	96,700	95,000	30.0	2,850,800	90,000	87,500	26.9	2,352,200
Pierce	85,100	84,300	27.5	2,321,100	71,900	70,500	23.4	1,650,400
Rolette	63,900	62,000	34.5	2,137,100	72,100	70,000	31.7	2,217,900
North Central	549,500	538,800	32.4	17,453,300	478,500	468,200	29.1	13,618,600
Cavalier	160,000	154,900	37.2	5,757,800	170,500	167,600	34.1	5,709,200
Grand Forks	87,700	87,500	37.3	3,267,300	151,800	151,700	40.1	6,080,700
Nelson	95,600	94,600	31.9	3,018,800	111,400	110,000	30.2	3,320,600
Pembina	68,700	68,700	39.7	2,730,300	173,300	173,300	38.7	6,713,700
Ramsey	146,400	140,100	32.2	4,516,300	130,400	124,500	28.1	3,492,300
Towner	111,600	106,500	29.3	3,120,000	122,400	114,500	25.2	2,883,000
Walsh	84,700	84,400	38.6	3,254,600	189,200	188,400	38.6	7,279,900
Northeast	754,700	736,700	34.8	25,665,100	1,049,000	1,030,000	34.4	35,479,400
Dunn	78,200	75,800	30.9	2,340,600	33,800	31,200	24.4	760,400
McKenzie	127,700	121,600	28.3	3,436,900	18,300	16,500	22.6	373,700
McLean	199,500	197,300	35.3	6,960,600	148,200	147,500	31.6	4,665,100
Mercer	65,600	65,600	32.8	2,148,400	17,800	17,800	27.4	487,600
Oliver	28,700	27,900	33.5	934,300	19,000	18,700	24.0	448,400
West Central	499,700	488,200	32.4	15,820,800	237,100	231,700	29.1	6,735,200
Eddy	40,900	40,000	31.2	1,246,900	48,100	47,500	25.7	1,222,100
Foster	56,600	56,600	33.1	1,873,000	70,700	69,500	30.1	2,095,000
Kidder	33,900	33,600	24.4	818,300	64,100	63,200	18.8	1,188,700
Sheridan	72,200	71,100	28.9	2,053,600	49,800	48,900	26.2	1,278,900
Stutsman	161,900	157,600	33.6	5,291,600	232,400	225,600	28.8	6,495,200
Wells	105,900	104,900	33.6	3,525,600	118,100	116,100	28.5	3,308,400
Central	473,400	463,800	31.9	14,809,000	583,200	570,800	27.3	15,588,300
Barnes	97,500	96,300	33.2	3,198,300	188,800	185,500	31.1	5,760,200
Cass	69,100	67,400	32.2	2,170,800	243,600	237,700	34.3	8,151,600
Griggs	57,100	56,500	31.2	1,762,300	54,900	54,500	27.5	1,498,700
Steele	47,400	47,000	37.8	1,776,800	75,600	75,400	34.6	2,612,200
Traill	39,300	39,000	37.7	1,470,700	107,600	107,600	36.1	3,880,700
East Central	310,400	306,200	33.9	10,378,900	670,500	660,700	33.2	21,903,400
Adams	78,100	74,400	25.1	1,870,000	43,900	39,900	22.7	907,000
Billings	29,100	28,400	26.8	761,100	7,400	7,000	21.0	146,700
Bowman	81,700	78,600	24.1	1,896,600	20,800	20,200	23.0	464,900
Golden Valley	61,300	58,500	24.1	1,407,000	7,700	7,200	23.3	168,000
Hettinger	164,100	161,800	30.9	4,995,000	78,400	76,200	31.6	2,407,200
Slope	69,300	68,300	27.2	1,856,100	25,200	24,200	23.8	575,400
Stark	100,700	97,400	30.2	2,940,800	57,300	53,900	25.6	1,382,200
Southwest	584,300	567,400	27.7	15,726,600	240,700	228,600	26.5	6,051,400
Burleigh	72,600	71,000	28.5	2,020,300	93,300	88,100	22.3	1,963,200
Emmons	72,800	69,400	24.6	1,704,100	110,600	108,600	19.1	2,072,900
Grant	69,200	67,900	25.3	1,714,900	45,100	38,400	24.3	933,600
Morton	80,000	75,500	32.8	2,473,000	56,900	48,100	27.0	1,297,000
Sioux	27,500	22,900	21.0	480,100	20,600	18,700	19.0	354,400
South Central	322,100	306,700	27.4	8,392,400	326,500	301,900	21.9	6,621,100
Dickey	22,000	20,700	28.3	585,600	159,000	151,800	22.5	3,416,400
LaMoure	92,600	87,400	27.2	2,377,900	95,600	90,500	24.0	2,174,600
Logan	56,100	55,100	29.4	1,621,200	46,800	44,700	22.0	983,600
McIntosh	64,000	60,800	25.1	1,525,100	72,500	69,600	19.3	1,342,900
Ransom	40,400	37,900	33.1	1,252,800	74,700	71,900	26.2	1,884,700
Richland	18,400	18,500	29.7	548,800	188,100	184,200	29.2	5,381,200
Sargent	34,900	31,600	26.9	851,100	92,000	87,400	24.6	2,146,700
Southeast	328,400	312,000	28.1	8,762,500	728,700	700,100	24.8	17,330,100
STATE	4,935,000	4,822,700	32.4	156,213,300	4,655,400	4,527,900	29.7	134,652,200

1/ See page 125 for irrigated acres.

ALL WHEAT
North Dakota, 1985 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	136,100	130,000	26.4	3,427,300	19,900	14,500	24.8	359,500
Divide	169,100	154,200	11.6	1,785,900	10,300	8,700	9.5	82,900
Mountrail	168,500	161,500	30.8	4,975,500	45,000	42,000	34.5	1,449,800
Renville	124,500	122,200	44.2	5,399,300	50,500	47,800	42.2	2,015,200
Ward	198,700	193,200	44.3	8,562,000	162,600	155,100	40.1	6,226,900
Williams	262,200	243,700	13.8	3,353,800	17,500	15,000	14.4	215,700
Northwest	1,059,100	1,004,800	27.4	27,503,800	305,800	283,100	36.6	10,350,000
Benson	120,500	118,200	36.4	4,303,800	97,700	96,500	29.8	2,879,200
Bottineau	217,700	184,600	43.5	8,036,600	97,300	91,700	41.2	3,773,500
McHenry	112,100	107,800	38.0	4,099,300	71,700	69,000	35.6	2,459,700
Pierce	83,500	81,300	33.7	2,738,900	70,500	68,100	28.4	1,936,500
Rolette	63,700	61,700	38.6	2,380,900	49,300	49,100	35.9	1,763,100
North Central	597,500	553,600	38.9	21,559,500	386,500	374,400	34.2	12,812,000
Cavalier	180,200	178,100	51.7	9,203,100	149,800	147,700	48.8	7,207,700
Grand Forks	86,900	81,700	49.9	4,074,200	141,800	141,500	52.1	7,372,000
Nelson	93,400	89,400	43.0	3,843,400	97,400	96,000	37.6	3,606,000
Pembina	63,200	63,100	54.6	3,442,600	170,300	170,000	53.5	9,097,400
Ramsey	123,700	122,700	43.6	5,352,000	117,800	117,000	37.9	4,429,000
Towner	91,400	87,700	42.8	3,752,300	133,600	129,300	39.2	5,074,700
Walsh	103,200	95,300	51.4	4,899,600	164,700	157,900	52.6	8,304,500
Northeast	742,000	718,000	48.1	34,567,200	975,400	959,400	47.0	45,091,300
Dunn	73,100	69,800	30.6	2,137,900	41,900	34,500	21.3	733,600
McKenzie	118,300	104,900	17.0	1,788,200	24,500	20,300	16.1	326,200
McLean	219,500	214,300	39.3	8,427,300	92,700	89,800	34.9	3,138,000
Mercer	68,300	67,700	40.6	2,749,100	13,500	12,500	32.4	404,900
Oliver	31,900	31,400	36.9	1,159,300	19,000	18,500	32.6	602,700
West Central	511,100	486,100	33.3	16,261,800	191,600	175,600	29.6	5,205,400
Eddy	41,000	38,500	32.8	1,263,200	44,000	44,000	28.8	1,269,300
Foster	57,000	50,500	39.8	2,010,000	63,800	62,300	32.4	2,020,000
Kidder	36,600	36,400	27.0	983,000	64,100	63,800	20.5	1,307,000
Sheridan	74,700	69,900	36.3	2,540,200	47,300	43,900	32.8	1,438,600
Stutsman	174,900	161,200	36.8	5,933,900	195,100	186,300	28.1	5,244,000
Wells	123,900	119,200	38.1	4,537,500	96,100	91,500	31.5	2,879,800
Central	508,100	475,700	36.3	17,267,800	510,400	491,800	28.8	14,158,700
Barnes	106,700	93,800	40.8	3,824,900	191,200	173,100	33.6	5,815,200
Cass	68,600	59,300	53.3	3,158,500	237,700	229,200	55.8	12,794,900
Griggs	62,500	57,700	44.8	2,582,900	54,100	50,900	39.4	2,004,100
Steele	53,300	46,500	47.7	2,218,000	86,400	84,500	43.0	3,636,500
Traill	42,100	40,600	55.3	2,243,600	105,700	103,700	55.8	5,782,900
East Central	335,200	297,900	47.1	14,027,900	675,100	641,400	46.8	30,033,600
Adams	93,700	89,600	26.9	2,412,200	26,300	25,400	18.5	468,800
Billings	24,700	17,900	14.9	266,600	9,800	5,100	8.5	43,400
Bowman	88,100	81,100	20.3	1,643,900	16,900	14,600	12.2	177,800
Golden Valley	62,400	52,500	16.8	880,600	19,100	14,500	13.8	199,700
Hettinger	156,100	147,400	33.7	4,963,700	66,900	63,100	26.9	1,697,400
Slope	69,300	66,100	27.4	1,813,100	20,700	19,500	18.0	350,700
Stark	115,100	102,300	29.0	2,970,500	52,900	47,900	23.1	1,108,600
Southwest	609,400	556,900	26.8	14,950,600	212,600	190,100	21.3	4,046,400
Burleigh	73,100	72,700	31.6	2,297,600	84,900	84,300	25.5	2,150,500
Emmons	82,500	81,600	27.9	2,278,000	101,900	100,000	21.9	2,185,900
Grant	70,800	68,200	32.0	2,180,900	43,100	42,800	23.8	1,019,800
Morton	81,600	80,400	32.7	2,626,100	54,300	50,200	23.7	1,191,400
Sioux	25,400	24,100	28.8	694,600	18,600	12,900	19.9	257,200
South Central	333,400	327,000	30.8	10,077,200	302,800	290,200	23.4	6,804,800
Dickey	46,200	45,200	38.8	1,753,000	112,100	109,100	31.2	3,403,100
LaMoure	100,800	89,400	36.6	3,270,500	94,500	88,300	29.9	2,636,900
Logan	62,300	61,700	31.6	1,948,300	49,600	48,600	23.3	1,133,200
McIntosh	66,300	64,100	26.2	1,677,800	70,700	69,600	18.7	1,300,700
Ransom	48,300	38,000	42.6	1,617,200	65,500	60,800	38.5	2,341,300
Richland	35,000	33,700	53.2	1,793,100	174,000	172,300	50.2	8,647,900
Sargent	30,800	29,300	46.8	1,371,600	116,900	110,900	40.1	4,449,700
Southeast	389,700	361,400	37.2	13,431,500	683,300	659,600	36.3	23,912,800
STATE	5,085,500	4,783,400	35.5	169,647,300	4,243,500	4,065,600	37.5	152,415,000

1/ See page 126 for irrigated acres.

ALL WHEAT
North Dakota, 1984 1/

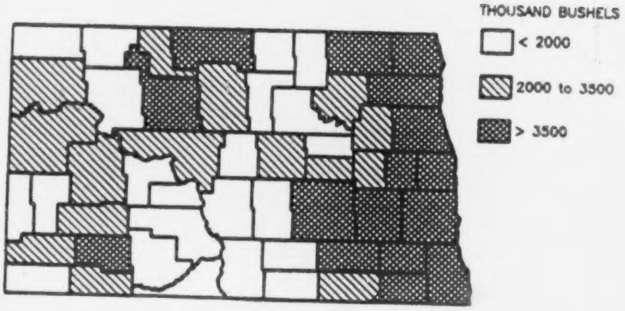
District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	144,000	139,000	22.8	3,174,500	16,000	15,500	18.9	292,500
Divide	171,000	167,200	14.8	2,474,400	10,600	10,200	16.6	169,000
Mountrail	185,300	181,200	21.3	3,859,800	23,700	23,000	23.3	535,800
Renville	137,200	135,700	33.3	4,516,400	36,300	36,300	26.9	975,600
Ward	251,000	249,000	30.0	7,466,200	109,400	108,500	26.5	2,879,700
Williams	249,500	245,000	15.6	3,828,500	27,200	22,700	12.3	278,100
Northwest	1,138,000	1,117,100	22.7	25,319,800	223,200	216,200	23.7	5,130,700
Benson	136,600	135,300	32.2	4,356,700	74,900	73,900	27.6	2,036,900
Bottineau	212,000	206,500	27.9	5,763,200	89,000	87,200	24.7	2,152,800
McHenry	112,200	112,100	26.9	3,018,000	52,700	52,700	22.0	1,160,000
Pierce	96,000	94,700	29.0	2,746,300	48,500	48,500	22.7	1,100,500
Rolette	74,500	72,500	31.0	2,244,000	38,000	37,000	28.5	1,056,000
North Central	631,300	621,100	29.2	18,128,200	303,100	299,300	25.1	7,506,200
Cavalier	197,300	196,200	41.4	8,128,200	96,700	95,700	36.6	3,501,000
Grand Forks	98,000	96,000	47.9	4,601,100	117,600	114,100	50.3	5,741,900
Nelson	110,500	109,900	39.6	4,352,700	69,400	68,400	37.5	2,561,900
Pembina	95,800	95,800	48.9	4,689,200	129,200	128,800	51.2	6,589,000
Ramsey	140,000	137,900	34.4	4,744,100	94,000	92,300	33.8	3,117,500
Towner	133,000	129,900	32.0	4,153,800	89,000	87,700	29.6	2,593,600
Walsh	124,500	123,500	49.4	6,097,100	126,400	124,000	51.5	6,387,000
Northeast	899,100	889,200	41.3	36,766,200	722,300	711,000	42.9	30,491,900
Dunn	91,700	90,500	25.9	2,341,800	29,300	28,300	21.0	594,000
McKenzie	113,000	108,600	20.6	2,240,100	19,100	15,200	12.3	186,600
McLean	232,600	228,800	27.6	6,324,900	57,700	56,800	23.9	1,359,800
Mercer	71,000	69,400	26.5	1,837,000	7,900	7,500	22.4	168,000
Oliver	29,900	29,800	29.3	873,200	12,500	12,500	23.6	294,800
West Central	538,200	527,100	25.8	13,617,000	126,500	120,300	21.6	2,603,200
Eddy	36,000	35,900	31.4	1,126,400	34,900	34,900	25.9	904,000
Foster	67,700	67,600	37.5	2,536,100	43,200	43,200	34.3	1,483,500
Kidder	48,700	48,200	26.4	1,270,800	40,000	39,500	23.9	943,900
Sheridan	77,500	75,200	27.4	2,058,700	37,000	36,900	23.8	879,000
Stutsman	213,000	209,600	36.6	7,673,500	124,400	121,200	31.8	3,850,400
Wells	145,000	143,200	33.2	4,753,900	66,000	65,500	29.6	1,939,800
Central	587,900	579,700	33.5	19,419,400	345,500	341,200	29.3	10,000,600
Barnes	162,000	159,000	41.8	6,652,000	114,300	113,400	39.0	4,423,400
Cass	121,000	119,000	49.5	5,892,000	168,700	168,200	48.9	8,219,200
Griggs	77,000	75,000	37.4	2,807,900	27,400	27,200	33.4	908,000
Steele	79,000	77,800	46.1	3,588,000	60,800	60,400	43.0	2,595,400
Traill	61,000	60,300	47.0	2,833,000	84,900	84,700	49.1	4,155,900
East Central	500,000	491,100	44.3	21,772,900	456,100	453,900	44.7	20,301,900
Adams	87,000	82,600	33.0	2,729,000	22,500	21,600	25.7	556,000
Billings	27,000	25,300	22.1	558,000	8,000	7,000	17.9	125,400
Bowman	89,000	87,400	27.5	2,406,500	14,000	13,500	17.8	239,900
Golden Valley	61,500	60,500	23.3	1,410,700	8,300	5,900	17.2	101,300
Hettinger	167,000	164,800	35.0	5,773,000	38,000	38,000	29.7	1,130,000
Slope	79,800	79,000	30.1	2,375,500	9,200	9,200	24.2	222,500
Stark	125,200	124,400	29.4	3,658,600	42,300	40,700	23.4	953,000
Southwest	636,500	624,000	30.3	18,911,300	142,300	135,900	24.5	3,328,100
Burleigh	91,800	91,000	27.3	2,485,800	48,700	48,700	21.8	1,059,500
Emmons	105,700	105,500	31.2	3,295,600	75,700	75,700	24.4	1,847,400
Grant	83,500	79,000	27.1	2,143,500	23,000	20,500	22.2	454,500
Morton	93,000	90,200	27.0	2,434,300	42,000	38,500	22.3	858,000
Sioux	27,000	22,200	30.7	681,500	19,000	13,100	25.0	327,900
South Central	401,000	387,900	28.5	11,040,700	208,400	196,500	23.1	4,547,300
Dickey	65,000	59,800	37.0	2,213,000	63,600	63,200	33.5	2,119,600
LaMoure	125,000	123,200	38.4	4,724,900	57,500	57,500	34.1	1,959,300
Logan	70,100	70,100	32.4	2,271,700	28,900	28,900	25.2	727,800
McIntosh	76,000	76,000	31.0	2,356,000	49,000	49,000	25.5	1,249,800
Ransom	61,000	60,000	44.3	2,660,900	42,500	42,500	34.4	1,463,100
Richland	44,000	43,700	46.4	2,026,200	136,000	135,800	42.5	5,777,800
Sargent	49,500	48,000	41.8	2,006,700	75,500	73,800	38.1	2,809,200
Southeast	490,600	480,800	38.0	18,259,400	453,000	450,700	35.7	16,106,600
STATE	5,822,600	5,718,000	32.0	183,234,900	2,980,400	2,925,000	34.2	100,016,500

1/ See page 127 for irrigated acres.

SPRING WHEAT

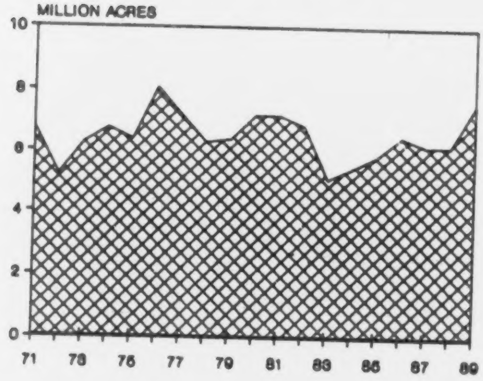
PRODUCTION

NORTH DAKOTA, 1989



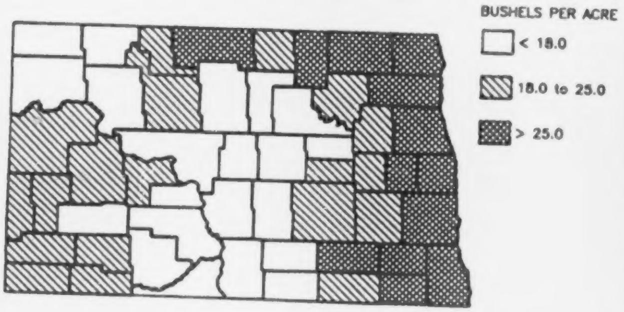
PLANTED ACRES

NORTH DAKOTA, 1971 - 89



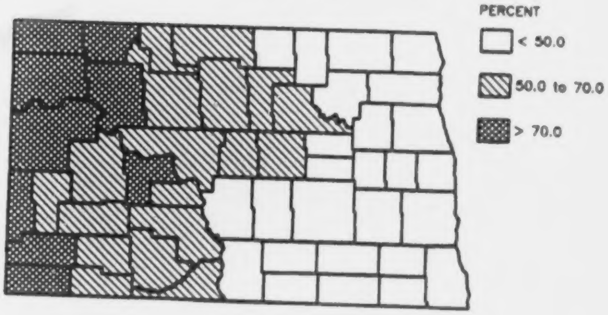
YIELD PER HARVESTED ACRE

NORTH DAKOTA, 1989



PERCENT ON SUMMERFALLOW

NORTH DAKOTA, 1989



North Dakota, 1980-89

Year	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
	(Acres)	(Acres)	(Bu.)	(Bu.)	($/Bu.)	(Dols.)	(Dols.)
1980	7,200,000	5,700,000	18.5	105,450,000	4.11	433,400,000	76.04
1981	7,200,000	7,050,000	28.0	197,400,000	3.63	716,562,000	101.64
1982	6,850,000	6,750,000	31.0	209,250,000	3.51	734,468,000	108.81
1983	5,100,000	5,000,000	27.0	135,000,000	3.71	500,850,000	100.17
1984	5,450,000	5,400,000	34.0	183,600,000	3.53	648,108,000	120.02
1985	5,850,000	5,730,000	37.0	212,010,000	3.34	708,113,000	123.58
1986	6,500,000	6,400,000	31.0	198,400,000	2.52	499,968,000	78.12
1987	6,200,000	6,100,000	31.0	189,100,000	2.80	529,480,000	86.80
1988	6,200,000	4,700,000	15.0	70,500,000	3.78	266,490,000	56.70
1989	7,600,000	7,250,000	24.0	174,000,000	3.45	600,300,000	82.80

SPRING WHEAT
North Dakota, 1989 and 1988

District and County	1989				1988			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	100,000	99,000	15.5	1,534,000	73,000	66,000	16.5	1,089,000
Divide	13,000	12,700	16.0	203,000	17,000	15,000	10.5	158,000
Mountrail	32,000	31,800	14.5	461,000	20,000	17,500	7.5	132,000
Renville	145,000	145,000	22.0	3,190,000	120,000	116,500	17.0	1,980,000
Ward	210,000	206,500	20.6	4,250,000	175,000	160,000	12.5	2,006,000
Williams	200,000	195,000	14.0	2,730,000	165,000	140,000	7.5	1,055,000
Northwest	700,000	690,000	17.9	12,368,000	570,000	515,000	12.5	6,420,000
Benson	70,000	65,000	17.5	1,138,000	56,000	31,500	12.0	378,000
Bottineau	140,000	140,000	26.0	3,640,000	92,000	87,500	16.5	1,444,000
McHenry	175,000	171,000	17.7	3,020,000	140,000	109,000	9.5	1,036,000
Pierce	95,000	78,300	13.0	1,018,000	75,000	38,000	9.0	342,000
Rolette	20,000	19,700	21.0	414,000	17,000	14,000	11.5	161,000
North Central	500,000	474,000	19.5	9,230,000	380,000	280,000	12.0	3,361,000
Cavalier	275,000	274,500	32.5	8,921,000	200,000	193,000	19.0	3,667,000
Grand Forks	260,000	259,500	36.0	9,342,000	220,000	216,000	26.7	5,763,000
Nelson	125,000	124,000	21.5	2,666,000	100,000	99,000	19.0	1,881,000
Pembina	280,000	278,500	43.9	12,240,000	220,000	195,500	22.0	4,305,000
Ramsey	120,000	119,500	25.0	2,987,000	91,000	88,000	17.0	1,496,000
Towner	20,000	19,000	26.0	494,000	19,000	17,500	17.0	298,000
Walsh	290,000	290,000	36.0	10,440,000	240,000	226,000	22.5	5,096,000
Northeast	1,370,000	1,365,000	34.5	47,090,000	1,090,000	1,035,000	21.7	22,506,000
Dunn	120,000	117,000	18.0	2,106,000	100,000	44,500	7.5	334,000
McKenzie	115,000	102,500	20.5	2,101,000	105,000	72,000	9.0	648,000
McLean	165,000	159,000	16.6	2,643,000	130,000	94,000	9.9	929,000
Mercer	75,000	70,500	23.0	1,621,000	70,000	41,500	9.5	395,000
Oliver	55,000	47,000	15.0	705,000	45,000	28,000	8.0	224,000
West Central	530,000	496,000	18.5	9,176,000	450,000	280,000	9.0	2,530,000
Eddy	73,000	72,000	16.5	1,188,000	65,000	53,000	12.0	636,000
Foster	135,000	134,000	20.5	2,747,000	113,000	102,000	14.5	1,479,000
Kidder	72,000	42,500	10.5	446,000	65,000	18,500	6.5	121,000
Sheridan	125,000	116,500	13.5	1,572,000	107,000	72,000	8.5	612,000
Stutsman	330,000	329,000	21.4	7,039,000	280,000	204,000	12.7	2,591,000
Wells	205,000	200,000	15.5	3,100,000	160,000	125,500	11.5	1,444,000
Central	940,000	894,000	18.0	16,092,000	790,000	575,000	12.0	6,883,000
Barnes	330,000	328,500	25.0	8,212,000	275,000	244,000	15.5	3,782,000
Cass	330,000	329,500	33.8	11,144,000	265,000	248,000	19.1	4,745,000
Griggs	115,000	115,000	22.5	2,587,000	105,000	100,000	18.0	1,800,000
Steele	155,000	155,000	29.0	4,495,000	130,000	125,000	24.0	3,000,000
Traill	170,000	170,000	35.0	5,950,000	135,000	133,000	31.0	4,123,000
East Central	1,100,000	1,098,000	29.5	32,388,000	910,000	850,000	20.5	17,450,000
Adams	110,000	108,600	19.0	2,063,000	93,000	47,000	7.0	330,000
Billings	30,000	27,700	18.0	499,000	36,000	18,000	6.5	117,000
Bowman	75,000	73,700	21.5	1,585,000	60,000	32,000	8.0	256,000
Golden Valley	65,000	62,800	25.0	1,570,000	48,000	22,000	6.0	132,000
Hettinger	215,000	212,700	21.0	4,460,000	180,000	134,000	8.8	1,181,000
Slope	85,000	84,000	24.3	2,041,000	78,000	61,000	9.0	549,000
Stark	160,000	150,500	14.5	2,182,000	135,000	86,000	7.5	645,000
Southwest	740,000	720,000	20.0	14,400,000	630,000	400,000	8.0	3,210,000
Burleigh	140,000	95,500	9.0	859,000	115,000	42,000	6.5	273,000
Emmons	200,000	126,500	9.3	1,172,000	165,000	38,500	5.5	212,000
Grant	125,000	109,000	14.0	1,522,000	100,000	55,000	8.0	440,000
Morton	150,000	124,000	15.0	1,857,000	125,000	62,000	7.6	474,000
Sioux	35,000	25,000	14.0	350,000	25,000	7,500	5.5	41,000
South Central	650,000	480,000	12.0	5,760,000	530,000	205,000	7.0	1,440,000
Dickey	145,000	144,500	22.0	3,184,000	120,000	79,000	9.5	751,000
LaMoure	210,000	209,700	26.0	5,452,000	170,000	116,000	12.0	1,392,000
Logan	120,000	93,000	15.5	1,442,000	96,000	38,500	9.5	366,000
McIntosh	140,000	131,000	14.0	1,834,000	120,000	30,500	6.0	183,000
Ransom	115,000	114,800	30.5	3,502,000	90,000	72,500	10.5	762,000
Richland	215,000	215,000	36.6	7,875,000	170,000	164,500	16.1	2,656,000
Sargent	125,000	125,000	33.7	4,207,000	84,000	59,000	10.0	590,000
Southeast	1,070,000	1,033,000	26.6	27,496,000	850,000	560,000	12.0	6,700,000
STATE	7,600,000	7,250,000	24.0	174,000,000	6,200,000	4,700,000	15.0	70,500,000

June 1990

SPRING WHEAT
North Dakota, 1987 and 1986

District and County	1987				1986			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	80,000	79,000	22.5	1,778,000	105,000	105,000	34.0	3,570,000
Divide	35,000	33,000	26.5	875,000	45,000	45,000	33.0	1,485,000
Mountrail	25,000	24,000	18.0	432,000	55,000	55,000	37.5	2,063,000
Renville	110,000	109,500	25.0	2,737,000	115,000	115,000	39.0	4,485,000
Ward	150,000	145,000	23.5	3,407,000	160,000	160,000	39.0	6,240,000
Williams	160,000	159,500	23.2	3,696,000	190,000	190,000	31.4	5,967,000
Northwest	560,000	550,000	23.5	12,925,000	670,000	670,000	35.5	23,810,000
Benson	50,000	50,000	24.5	1,225,000	70,000	70,000	27.0	1,890,000
Bottineau	94,000	92,000	28.0	2,576,000	105,000	105,000	35.5	3,727,000
McHenry	145,000	140,000	20.9	2,930,000	150,000	150,000	28.3	4,238,000
Pierce	86,000	84,000	20.0	1,680,000	90,000	90,000	25.0	2,250,000
Rolette	15,000	14,000	23.5	329,000	25,000	25,000	35.0	875,000
North Central	390,000	380,000	23.0	8,740,000	440,000	440,000	29.5	12,980,000
Cavalier	200,000	200,000	40.5	8,100,000	210,000	210,000	38.0	7,980,000
Grand Forks	215,000	213,000	43.0	9,159,000	225,000	225,000	39.2	8,823,000
Nelson	97,000	96,000	34.0	3,264,000	125,000	125,000	32.0	4,000,000
Pembina	225,000	225,000	46.5	10,462,000	240,000	240,000	39.0	9,360,000
Ramsey	90,000	89,000	33.5	2,982,000	110,000	105,000	31.5	3,307,000
Towner	23,000	22,500	36.0	810,000	20,000	20,000	31.0	620,000
Walsh	240,000	239,500	44.9	10,755,000	240,000	240,000	40.0	9,600,000
Northeast	1,090,000	1,085,000	42.0	45,532,000	1,170,000	1,165,000	37.5	43,690,000
Dunn	100,000	94,000	22.5	2,115,000	100,000	96,000	29.0	2,784,000
McKenzie	85,000	84,500	26.0	2,197,000	95,000	90,000	27.5	2,475,000
McLean	130,000	128,500	24.4	3,138,000	170,000	170,000	34.4	5,843,000
Mercer	65,000	64,000	26.0	1,664,000	70,000	70,000	31.0	2,170,000
Oliver	50,000	49,000	24.0	1,176,000	45,000	44,000	29.5	1,298,000
West Central	430,000	420,000	24.5	10,290,000	480,000	470,000	31.0	14,570,000
Eddy	55,000	54,000	28.0	1,512,000	70,000	70,000	28.0	1,960,000
Foster	110,000	105,000	30.5	3,202,000	105,000	104,000	32.0	3,328,000
Kidder	75,000	74,000	23.5	1,739,000	90,000	90,000	21.5	1,935,000
Sheridan	115,000	114,000	24.0	2,736,000	110,000	109,000	28.0	3,052,000
Stutsman	280,000	279,000	31.3	8,732,000	270,000	267,000	31.3	8,360,000
Wells	165,000	159,000	28.0	4,452,000	165,000	165,000	31.0	5,115,000
Central	800,000	785,000	28.5	22,373,000	810,000	805,000	29.5	23,750,000
Barnes	260,000	260,000	34.0	8,840,000	240,000	239,000	31.5	7,529,000
Cass	265,000	263,000	43.0	11,306,000	280,000	276,000	33.8	9,329,000
Griggs	105,000	102,000	30.0	3,060,000	95,000	95,000	29.5	2,802,000
Steele	125,000	122,000	35.5	4,331,000	115,000	115,000	36.0	4,140,000
Traill	135,000	133,000	41.0	5,453,000	140,000	140,000	37.0	5,180,000
East Central	890,000	880,000	37.5	32,990,000	870,000	865,000	33.5	28,980,000
Adams	110,000	107,000	28.5	3,050,000	95,000	90,000	24.0	2,160,000
Billings	30,000	29,000	24.5	710,000	35,000	34,000	26.0	884,000
Bowman	88,000	84,000	25.0	2,100,000	75,000	72,000	23.0	1,656,000
Golden Valley	57,000	56,500	28.0	1,582,000	50,000	48,000	23.0	1,104,000
Hettinger	170,000	165,000	26.9	4,446,000	190,000	188,000	30.9	5,800,000
Slope	70,000	69,500	28.5	1,981,000	75,000	74,000	26.0	1,924,000
Stark	145,000	144,000	26.5	3,816,000	140,000	134,000	28.0	3,752,000
Southwest	670,000	655,000	27.0	17,685,000	660,000	640,000	27.0	17,280,000
Burleigh	125,000	120,000	23.5	2,820,000	150,000	144,000	24.5	3,528,000
Emmons	170,000	167,500	24.3	4,071,000	175,000	171,000	21.2	3,632,000
Grant	95,000	92,500	25.0	2,312,000	105,000	98,000	24.5	2,401,000
Morton	125,000	121,000	28.0	3,388,000	130,000	118,000	30.5	3,599,000
Sioux	25,000	19,000	21.5	409,000	40,000	34,000	20.0	680,000
South Central	540,000	520,000	25.0	13,000,000	600,000	565,000	24.5	13,840,000
Dickey	110,000	109,000	28.0	3,052,000	105,000	102,000	19.5	1,990,000
LaMoure	160,000	160,000	30.0	4,800,000	130,000	127,000	25.0	3,175,000
Logan	100,000	100,000	25.0	2,500,000	90,000	89,000	26.0	2,314,000
McIntosh	125,000	121,000	22.5	2,722,000	120,000	116,000	22.0	2,552,000
Ransom	90,000	90,000	31.5	2,835,000	95,000	92,000	28.0	2,576,000
Richland	170,000	170,000	42.7	7,256,000	195,000	192,000	29.1	5,591,000
Sargent	75,000	75,000	32.0	2,400,000	65,000	62,000	21.0	1,302,000
Southeast	830,000	825,000	31.0	25,565,000	800,000	780,000	25.0	19,500,000
STATE	6,200,000	6,100,000	31.0	189,100,000	6,500,000	6,400,000	31.0	196,400,000

SPRING WHEAT
North Dakota, 1985 and 1984

District and County	1985				1984			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	80,000	77,000	24.0	1,848,000	85,000	84,000	21.0	1,764,000
Divide	35,000	32,000	9.5	304,000	30,000	28,000	15.5	434,000
Mountrail	40,000	38,000	29.5	1,121,000	30,000	29,000	18.0	522,000
Renville	90,000	89,000	44.0	3,916,000	90,000	89,000	33.5	2,981,000
Ward	150,000	149,000	43.6	6,493,000	140,000	140,000	30.7	4,304,000
Williams	165,000	155,000	14.5	2,248,000	155,000	150,000	16.5	2,475,000
Northwest	560,000	540,000	29.5	15,930,000	530,000	520,000	24.0	12,480,000
Benson	55,000	55,000	34.5	1,898,000	50,000	50,000	30.5	1,525,000
Bottineau	85,000	84,000	42.5	3,570,000	70,000	70,000	24.5	1,715,000
McHenry	135,000	133,000	36.4	4,843,000	120,000	120,000	24.6	2,955,000
Pierce	80,000	78,000	29.5	2,301,000	65,000	65,000	26.0	1,690,000
Rolette	25,000	25,000	35.5	888,000	15,000	15,000	29.0	435,000
North Central	380,000	375,000	36.0	13,500,000	320,000	320,000	26.0	8,320,000
Cavalier	200,000	198,000	51.0	10,098,000	160,000	160,000	41.5	6,640,000
Grand Forks	205,000	205,000	51.5	10,558,000	185,000	183,000	50.0	9,150,000
Nelson	95,000	94,000	41.0	3,854,000	90,000	90,000	40.0	3,600,000
Pembina	230,000	230,000	53.9	12,397,000	220,000	220,000	50.2	11,043,000
Ramsey	100,000	100,000	42.0	4,200,000	95,000	94,000	33.5	3,149,000
Towner	15,000	15,000	45.0	675,000	20,000	20,000	33.0	660,000
Walsh	225,000	218,000	53.5	11,663,000	210,000	208,000	51.0	10,608,000
Northeast	1,070,000	1,060,000	50.4	53,445,000	980,000	975,000	46.0	44,850,000
Dunn	105,000	97,000	27.0	2,619,000	110,000	108,000	24.0	2,592,000
McKenzie	90,000	84,000	18.5	1,554,000	82,000	77,000	20.5	1,578,000
McLean	125,000	125,000	36.4	4,553,000	140,000	138,000	27.3	3,771,000
Mercer	65,000	64,000	39.0	2,496,000	68,000	67,000	25.5	1,709,000
Oliver	45,000	45,000	36.5	1,643,000	40,000	40,000	27.5	1,100,000
West Central	430,000	415,000	31.0	12,865,000	440,000	430,000	25.0	10,750,000
Eddy	60,000	60,000	30.0	1,800,000	50,000	50,000	29.0	1,450,000
Foster	80,000	80,000	36.0	2,880,000	90,000	90,000	36.0	3,240,000
Kidder	80,000	80,000	23.0	1,840,000	65,000	64,000	25.5	1,632,000
Sheridan	100,000	99,000	35.0	3,465,000	100,000	98,000	26.0	2,548,000
Stutsman	210,000	202,000	32.5	6,560,000	200,000	198,000	34.5	6,831,000
Wells	130,000	129,000	35.5	4,580,000	125,000	125,000	31.9	3,987,000
Central	660,000	650,000	32.5	21,125,000	630,000	625,000	31.5	19,688,000
Barnes	210,000	202,000	36.5	7,373,000	200,000	200,000	40.0	8,000,000
Cass	235,000	234,000	55.5	12,982,000	210,000	210,000	48.4	10,166,000
Griggs	90,000	90,000	42.0	3,780,000	85,000	85,000	35.5	3,018,000
Steele	120,000	119,000	45.0	5,355,000	110,000	110,000	45.0	4,950,000
Traill	135,000	135,000	56.0	7,560,000	115,000	115,000	49.0	5,635,000
East Central	790,000	780,000	47.5	37,050,000	720,000	720,000	44.1	31,769,000
Adams	90,000	88,000	25.0	2,200,000	75,000	75,000	29.5	2,213,000
Billings	30,000	21,000	13.0	273,000	25,000	24,000	20.0	480,000
Bowman	75,000	70,000	18.5	1,295,000	65,000	64,000	24.5	1,568,000
Golden Valley	50,000	43,000	15.0	645,000	40,000	39,000	18.5	722,000
Hettinger	175,000	174,000	31.0	5,397,000	170,000	169,000	32.5	5,493,000
Slope	70,000	67,000	26.0	1,742,000	65,000	65,000	27.5	1,788,000
Stark	130,000	127,000	27.5	3,493,000	150,000	149,000	27.6	4,116,000
Southwest	620,000	590,000	25.5	15,045,000	590,000	585,000	28.0	16,380,000
Burleigh	140,000	140,000	28.5	3,990,000	130,000	130,000	25.3	3,294,000
Emmons	175,000	173,000	24.5	4,246,000	170,000	170,000	28.5	4,845,000
Grant	105,000	105,000	29.0	3,045,000	100,000	93,000	26.0	2,418,000
Morton	125,000	122,000	29.5	3,599,000	125,000	120,000	25.5	3,060,000
Sioux	35,000	30,000	26.5	795,000	25,000	22,000	25.5	561,000
South Central	580,000	570,000	27.5	15,675,000	550,000	535,000	26.5	14,178,000
Dickey	105,000	105,000	32.0	3,360,000	80,000	80,000	34.5	2,760,000
LaMoure	125,000	122,000	33.5	4,087,000	130,000	130,000	36.5	4,745,000
Logan	90,000	89,000	28.0	2,492,000	85,000	85,000	30.5	2,593,000
McIntosh	115,000	112,000	22.0	2,464,000	95,000	95,000	28.5	2,708,000
Ransom	85,000	82,000	40.0	3,280,000	80,000	80,000	39.0	3,120,000
Richland	185,000	185,000	51.0	9,437,000	155,000	155,000	43.6	6,756,000
Sargent	55,000	55,000	41.0	2,255,000	65,000	65,000	38.5	2,503,000
Southeast	760,000	750,000	36.5	27,375,000	690,000	690,000	36.5	25,185,000
STATE	5,850,000	5,730,000	37.0	212,010,000	5,450,000	5,400,000	34.0	183,600,000

SPRING WHEAT
North Dakota, 1989 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	79,300	79,300	16.1	1,278,300	20,700	19,700	13.0	255,700
Divide	12,400	12,100	16.2	196,200	600	600	11.3	6,800
Mountrail	24,300	24,300	15.6	379,600	7,700	7,500	10.9	81,400
Renville	97,400	97,400	23.6	2,297,500	47,600	47,600	18.8	892,500
Ward	109,800	108,500	23.6	2,559,000	100,100	97,900	17.2	1,686,500
Williams	187,400	183,000	13.9	2,544,900	11,500	10,900	10.6	116,000
Northwest	510,600	504,600	18.3	9,255,500	188,200	184,200	16.5	3,038,900
Benson	39,100	37,600	19.1	717,900	30,000	26,500	14.0	370,900
Bottineau	71,300	71,300	28.3	2,020,900	68,700	68,700	23.6	1,619,100
McHenry	99,800	98,800	18.9	1,865,700	75,000	72,000	15.9	1,145,300
Pierce	61,800	49,300	13.9	685,100	33,200	29,000	11.5	332,900
Rolette	8,600	8,300	24.1	199,700	11,400	11,400	18.8	214,300
North Central	280,600	265,300	20.7	5,489,300	218,300	207,600	17.7	3,682,500
Cavalier	112,200	112,200	35.7	4,005,000	162,800	162,300	30.3	4,916,000
Grand Forks	68,600	68,600	36.7	2,518,300	190,600	190,200	35.7	6,788,700
Nelson	50,100	49,700	24.0	1,192,700	74,900	74,300	19.8	1,473,300
Pembina	63,600	63,200	46.7	2,951,600	216,400	215,300	43.1	9,288,400
Ramsey	53,500	53,500	27.9	1,494,700	66,500	66,000	22.6	1,492,300
Towner	7,400	7,400	31.0	229,100	12,600	11,600	22.8	264,900
Walsh	70,200	70,200	35.4	2,483,200	219,700	219,700	36.2	7,952,300
Northeast	425,600	424,800	35.0	14,874,600	943,500	939,400	34.3	32,175,900
Dunn	83,500	81,000	19.5	1,576,000	36,500	36,000	14.7	530,000
McKenzie	89,900	82,200	18.4	1,512,000	19,000	14,200	13.8	195,500
McLean	88,800	88,200	19.1	1,682,000	75,600	70,200	13.2	928,000
Mercer	59,600	57,900	24.1	1,397,500	15,300	12,500	17.5	218,500
Oliver	27,700	25,800	18.4	474,000	27,300	21,200	10.9	231,000
West Central	349,500	335,100	19.8	6,641,500	173,700	154,100	13.6	2,103,000
Eddy	24,500	24,200	20.7	500,700	48,400	47,700	14.3	683,300
Foster	47,100	47,000	22.9	1,076,500	87,500	86,600	19.1	1,654,300
Kidder	33,300	24,300	12.0	291,800	38,400	18,000	8.2	147,200
Sheridan	77,800	76,200	15.8	1,207,600	47,200	40,300	9.0	364,400
Stutsman	138,900	138,700	26.2	3,634,000	191,100	190,300	17.9	3,405,000
Wells	114,200	113,500	18.0	2,040,000	90,800	86,500	12.3	1,060,000
Central	435,800	423,900	20.6	8,750,600	503,400	469,400	15.6	7,314,200
Barnes	123,400	123,200	29.2	3,593,800	206,300	205,000	22.5	4,604,700
Cass	68,600	68,600	38.8	2,659,600	261,000	260,500	32.5	8,464,400
Griggs	39,700	39,700	26.9	1,067,800	74,900	74,900	20.0	1,499,200
Steele	50,200	50,200	31.7	1,591,600	104,500	104,500	27.7	2,889,900
Traill	32,000	32,000	43.3	1,384,600	138,000	138,000	33.1	4,565,400
East Central	313,900	313,700	32.8	10,297,400	784,700	782,900	28.1	22,023,600
Adams	74,800	74,800	20.8	1,559,200	35,200	33,800	14.9	503,800
Billings	20,900	19,900	18.1	360,000	9,100	7,800	17.8	139,000
Bowman	62,900	62,000	22.2	1,376,100	12,100	11,700	17.9	208,900
Golden Valley	50,200	48,600	25.7	1,248,900	14,800	14,200	22.6	321,100
Hettinger	126,200	124,500	24.1	3,002,000	88,800	88,200	16.5	1,458,000
Slope	67,600	67,000	25.5	1,706,000	17,400	17,000	19.7	335,000
Stark	106,400	105,200	16.3	1,719,300	53,600	45,300	10.2	462,700
Southwest	509,000	502,000	21.9	10,971,500	231,000	218,000	15.7	3,428,500
Burleigh	56,800	52,400	10.6	555,900	83,200	43,100	7.0	303,100
Emmons	65,800	49,300	9.2	452,200	133,400	76,500	8.8	671,800
Grant	65,800	60,300	15.8	954,200	59,200	48,700	11.7	567,800
Morton	96,600	89,600	16.7	1,498,700	53,400	34,400	10.4	358,300
Sioux	18,200	13,900	16.8	234,100	16,800	11,100	10.4	115,900
South Central	303,200	265,500	13.9	3,695,100	346,000	213,800	9.4	2,016,900
Dickey	40,700	40,600	24.9	1,009,000	104,300	103,900	20.9	2,175,000
LaMoure	92,200	92,000	28.5	2,620,100	117,600	117,500	24.0	2,822,400
Logan	49,400	44,900	19.3	866,500	70,500	48,000	11.9	570,500
McIntosh	57,400	54,900	15.9	871,200	82,600	76,100	12.7	962,800
Ransom	39,400	39,300	32.3	1,271,000	75,300	75,200	29.4	2,213,000
Richland	20,000	20,000	44.7	894,900	195,000	195,000	35.8	6,980,100
Sargent	32,600	32,600	38.1	1,241,000	92,400	92,400	32.1	2,966,000
Southeast	331,700	324,300	27.1	8,773,700	737,700	708,100	26.4	18,689,800
STATE	3,459,900	3,359,200	23.4	78,749,200	4,126,500	3,877,500	24.4	94,473,300

1/ See page 122 for irrigated acres.

SPRING WHEAT
North Dakota, 1988 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	60,200	56,500	17.5	987,900	12,800	9,500	10.6	101,100
Divide	15,300	14,500	10.6	153,000	1,700	500	10.0	5,000
Mountrail	17,600	16,300	7.6	123,200	2,400	1,200	7.3	8,800
Renville	87,600	85,100	18.8	1,598,800	32,400	31,400	12.1	381,200
Ward	101,700	96,900	14.4	1,398,800	73,100	62,900	9.6	603,200
Williams	156,900	138,200	7.5	1,032,900	7,000	800	7.6	6,100
Northwest	439,300	407,500	13.0	5,294,600	129,400	106,300	10.4	1,105,400
Benson	34,100	24,500	12.6	309,200	21,200	6,300	8.5	53,400
Bottineau	61,700	59,200	18.5	1,092,300	30,000	28,000	12.2	341,000
McHenry	82,600	72,400	10.7	777,300	57,000	36,200	6.9	249,900
Pierce	47,000	31,300	9.5	296,300	28,000	6,700	6.8	45,700
Rolette	8,500	7,000	11.6	81,200	8,500	7,000	11.4	79,800
North Central	233,900	194,400	13.1	2,556,300	144,700	84,200	9.1	769,800
Cavalier	104,000	101,700	22.4	2,279,200	96,000	91,300	15.2	1,387,800
Grand Forks	88,700	87,800	30.7	2,694,100	130,600	127,500	23.8	3,037,400
Nelson	48,400	47,900	20.8	997,100	51,600	51,100	17.3	883,900
Pembina	69,500	68,500	24.6	1,684,900	150,500	127,000	20.6	2,620,100
Ramsey	48,600	47,600	19.7	937,400	42,400	40,400	13.8	558,600
Towner	6,900	6,400	19.6	125,600	12,100	11,100	15.5	172,400
Walsh	85,000	83,800	24.3	2,033,600	154,900	142,100	21.5	3,057,400
Northeast	451,100	443,700	24.2	10,751,900	638,100	590,500	19.8	11,717,600
Dunn	70,000	40,100	7.9	316,800	30,000	4,400	3.9	17,200
McKenzie	86,600	64,300	7.6	488,000	12,400	1,900	4.5	8,600
McLean	80,900	72,100	10.8	778,100	48,100	21,000	6.3	131,500
Mercer	57,100	39,600	9.6	382,000	12,900	1,900	6.8	13,000
Oliver	28,400	22,800	9.0	205,800	16,600	5,200	3.5	18,200
West Central	323,000	238,900	9.1	2,170,700	120,000	34,400	5.5	188,500
Eddy	30,400	28,000	12.7	355,200	34,000	24,400	11.0	268,800
Foster	52,400	48,000	16.9	811,700	60,100	53,500	12.2	652,300
Kidder	29,300	13,600	6.7	90,500	34,800	4,300	4.7	20,000
Sheridan	66,300	53,900	9.1	491,700	40,700	18,100	6.6	120,300
Stutsman	134,400	125,500	14.3	1,791,000	145,100	78,100	10.2	792,800
Wells	97,800	87,200	12.5	1,093,900	62,200	38,300	9.1	350,100
Central	410,600	356,200	13.0	4,634,000	376,900	216,700	10.2	2,204,300
Barnes	130,900	123,000	18.6	2,282,100	143,400	120,300	12.3	1,480,300
Cass	82,400	79,500	24.0	1,906,000	181,600	167,500	16.8	2,806,100
Griggs	56,000	54,200	19.5	1,054,500	49,000	45,800	16.3	745,500
Steele	62,800	60,500	26.7	1,613,600	67,000	64,300	21.4	1,378,400
Traill	44,700	44,000	33.8	1,485,000	90,200	88,900	29.6	2,634,000
East Central	376,800	361,200	23.1	8,341,200	531,200	486,800	18.6	9,044,300
Adams	69,800	42,000	7.5	314,600	23,200	5,000	3.1	15,400
Billings	28,300	16,800	6.8	113,500	7,700	1,200	2.9	3,500
Bowman	52,900	31,000	8.0	248,300	7,000	900	6.1	5,500
Golden Valley	39,700	21,600	6.0	130,500	8,300	400	3.8	1,500
Hettinger	127,600	107,200	9.7	1,043,000	52,400	26,800	5.1	138,000
Slope	66,300	57,500	9.3	537,100	11,700	3,500	3.4	11,900
Stark	87,800	66,800	7.9	530,600	47,200	19,200	6.0	114,400
Southwest	472,400	342,900	8.5	2,917,600	157,500	57,000	5.1	290,200
Burleigh	63,500	33,900	7.1	240,700	51,400	8,100	4.0	32,300
Emmons	77,700	30,600	5.4	164,700	86,600	7,300	5.0	36,500
Grant	68,400	48,700	8.4	411,300	31,600	6,300	4.6	28,700
Morton	87,500	53,700	7.8	419,900	37,500	8,300	6.5	54,100
Sioux	13,100	4,500	5.2	23,200	11,500	2,700	4.8	13,000
South Central	310,200	171,400	7.4	1,259,800	218,600	32,700	5.0	164,600
Dickey	41,200	35,000	13.6	475,900	78,200	43,400	6.0	259,500
LaMoure	81,600	73,900	14.8	1,091,300	88,000	41,800	7.0	293,900
Logan	53,000	35,700	10.0	356,400	43,000	2,800	3.4	9,600
McIntosh	59,200	26,500	6.2	164,300	60,800	4,000	4.7	18,700
Ransom	37,400	34,500	13.3	459,300	52,300	37,700	7.8	293,700
Richland	36,200	35,400	19.6	695,600	133,800	129,100	15.2	1,960,400
Sargent	29,700	25,100	14.0	351,200	54,200	33,800	7.0	236,500
Southeast	338,300	266,100	13.5	3,594,000	510,300	292,600	10.5	3,072,300
STATE	3,355,600	2,782,300	14.9	41,520,100	2,826,700	1,901,200	15.0	28,557,000

1/ See page 123 for irrigated acres.

SPRING WHEAT
North Dakota, 1987 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	65,400	64,500	22.3	1,437,000	14,600	14,500	23.5	341,000
Divide	30,700	28,700	26.4	757,600	4,300	4,300	27.3	117,400
Mountrail	20,800	20,300	17.8	361,300	4,200	3,700	19.1	70,700
Renville	80,300	79,900	27.1	2,163,000	29,700	29,600	19.4	574,000
Ward	86,000	86,000	26.5	2,275,000	63,700	58,700	19.1	1,118,500
Williams	149,000	148,700	23.0	3,422,900	9,000	8,800	17.6	155,100
Northwest	432,200	428,100	24.3	10,416,800	125,500	119,600	19.9	2,376,700
Benson	25,700	25,700	26.6	683,100	23,400	23,400	21.9	513,100
Bottineau	58,200	57,000	30.6	1,744,000	35,600	34,800	23.7	824,000
McHenry	84,400	83,000	22.4	1,863,000	60,300	56,700	18.6	1,053,200
Pierce	48,300	47,200	22.7	1,072,100	37,700	36,800	16.5	607,900
Rolette	6,500	5,800	24.1	139,800	8,500	8,200	23.1	189,200
North Central	223,100	218,700	25.2	5,502,000	165,500	159,900	19.9	3,187,400
Cavalier	99,000	99,000	41.8	4,134,600	101,000	101,000	39.3	3,965,400
Grand Forks	80,800	80,400	42.0	3,379,700	133,600	132,000	43.6	5,752,300
Nelson	51,400	50,900	36.3	1,847,600	45,600	45,100	31.4	1,416,400
Pembina	73,100	73,100	47.0	3,433,400	151,900	151,900	46.3	7,028,600
Ramsey	47,800	47,200	34.7	1,638,300	42,200	41,800	32.1	1,343,700
Towner	9,800	9,600	37.0	355,300	13,200	12,900	35.2	454,700
Walsh	78,500	78,200	44.0	3,437,000	161,400	161,200	45.4	7,314,000
Northeast	440,400	438,400	41.6	18,225,900	648,900	645,900	42.2	27,275,100
Dunn	68,100	65,100	24.2	1,572,900	31,900	28,900	18.8	542,100
McKenzie	73,200	72,700	23.6	1,717,400	7,000	7,000	22.2	155,600
McLean	79,800	79,100	26.8	2,120,400	48,800	48,000	20.0	960,200
Mercer	52,000	51,800	28.1	1,457,700	12,900	12,100	16.8	202,800
Oliver	32,000	31,300	27.2	852,000	17,900	17,600	18.2	320,000
West Central	305,100	300,000	25.7	7,720,400	118,500	113,600	19.2	2,180,700
Eddy	17,900	17,600	29.6	521,500	36,600	35,900	27.1	973,000
Foster	51,400	50,500	31.2	1,576,500	57,800	53,700	29.7	1,597,500
Kidder	33,000	32,400	26.9	871,800	40,900	40,500	20.2	819,300
Sheridan	65,600	65,300	26.1	1,702,700	49,400	48,700	21.2	1,033,300
Stutsman	129,900	129,900	34.3	4,450,000	149,800	148,800	28.7	4,267,900
Wells	89,100	84,700	30.8	2,606,400	75,900	74,300	24.8	1,845,600
Central	386,900	380,400	30.8	11,728,900	410,400	401,900	26.2	10,536,600
Barnes	117,000	117,000	37.3	4,363,100	142,500	142,500	31.3	4,456,900
Cass	71,600	71,400	43.7	3,121,700	191,700	189,900	42.7	8,110,300
Griggs	53,900	52,400	31.8	1,667,200	50,500	49,000	28.0	1,370,000
Steele	56,300	55,400	36.7	2,031,800	68,300	66,200	34.5	2,283,200
Traill	42,900	42,100	42.2	1,778,400	92,000	90,800	40.4	3,670,100
East Central	341,700	338,300	38.3	12,962,200	545,000	538,400	36.9	19,890,500
Adams	86,200	83,900	30.1	2,528,000	23,800	23,100	22.6	522,000
Billings	23,900	23,300	26.6	619,200	6,100	5,700	15.9	90,600
Bowman	74,400	71,000	26.3	1,867,700	13,600	13,000	17.9	232,300
Golden Valley	46,200	46,000	28.4	1,307,600	10,800	10,500	26.1	274,400
Hettinger	116,100	112,800	27.8	3,136,400	53,900	52,200	25.1	1,309,600
Slope	52,700	52,300	30.0	1,571,500	17,300	17,200	23.8	409,500
Stark	95,400	95,100	28.2	2,684,500	49,600	48,900	23.1	1,131,500
Southwest	494,900	484,400	28.3	13,714,900	175,100	170,600	23.3	3,970,100
Burleigh	62,000	59,500	26.6	1,581,500	62,900	60,400	20.4	1,234,000
Emmons	64,400	64,300	27.1	1,743,100	104,600	102,200	22.2	2,272,900
Grant	61,800	60,600	26.2	1,587,800	33,200	31,900	22.7	724,200
Morton	79,500	76,900	29.3	2,250,100	45,400	44,000	25.8	1,133,900
Sioux	13,700	10,500	24.7	259,200	10,900	8,100	16.5	133,800
South Central	281,400	271,800	27.3	7,421,700	257,000	246,600	22.3	5,498,800
Dickey	36,700	36,000	30.4	1,092,600	73,000	72,700	26.7	1,939,900
LaMoure	75,500	75,500	31.6	2,386,200	84,300	84,300	28.5	2,403,600
Logan	52,700	52,700	27.2	1,433,500	46,900	46,900	22.2	1,042,500
McIntosh	62,800	60,900	25.8	1,570,100	62,200	60,100	19.2	1,151,900
Ransom	32,900	32,900	35.4	1,166,200	56,400	56,400	29.0	1,633,800
Richland	34,000	34,000	42.1	1,431,400	136,000	136,000	42.8	5,824,600
Sargent	20,800	20,800	37.5	780,900	54,100	54,100	29.8	1,614,100
Southeast	315,400	312,800	31.5	9,860,900	512,900	510,500	30.6	15,610,600
STATE	3,221,100	3,172,900	30.7	97,553,700	2,958,800	2,907,000	31.1	90,526,500

1/ See page 124 for irrigated acres.

SPRING WHEAT
North Dakota, 1986 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	90,800	90,800	33.2	3,015,400	14,200	14,200	39.1	554,600
Divide	41,800	41,800	33.1	1,383,600	2,700	2,700	27.9	75,200
Mountrail	40,300	40,300	38.3	1,544,000	14,700	14,700	35.3	519,000
Renville	85,600	85,600	40.5	3,470,500	29,400	29,400	34.5	1,014,500
Ward	83,500	83,500	41.0	3,419,600	76,000	76,000	36.8	2,797,400
Williams	181,500	181,500	31.2	5,655,200	5,500	5,500	25.3	139,300
Northwest	523,500	523,500	35.3	18,488,300	142,500	142,500	35.8	5,100,000
Benson	32,800	32,800	28.9	947,300	36,800	36,800	25.2	926,300
Bottineau	61,300	61,300	36.1	2,214,000	43,700	43,700	34.6	1,513,000
McHenry	76,400	76,400	29.9	2,285,400	73,300	73,300	26.4	1,936,400
Pierce	49,500	49,500	26.7	1,323,900	40,500	40,500	22.9	926,100
Rolette	8,200	8,200	33.3	273,200	16,800	16,800	35.8	601,800
North Central	228,200	228,200	30.9	7,043,800	211,100	211,100	28.0	5,903,600
Cavalier	100,800	100,800	39.8	4,012,000	109,200	109,200	36.3	3,968,000
Grand Forks	79,400	79,400	37.4	2,967,100	144,600	144,600	40.1	5,802,900
Nelson	57,000	57,000	32.8	1,870,400	68,000	68,000	31.3	2,129,600
Pembina	67,700	67,700	39.7	2,690,300	172,300	172,300	38.7	6,669,700
Ramsey	56,100	53,400	34.9	1,865,100	53,800	51,500	27.9	1,437,900
Towner	8,300	8,300	31.1	257,800	11,700	11,700	31.0	362,200
Walsh	70,600	70,600	39.7	2,799,600	169,300	169,300	40.1	6,795,900
Northeast	439,900	437,200	37.7	16,462,300	728,900	726,600	37.4	27,166,200
Dunn	70,800	68,800	31.2	2,143,600	29,200	27,200	23.5	640,400
McKenzie	81,500	76,900	24.8	1,909,600	8,000	7,700	26.4	203,600
McLean	93,500	93,500	35.2	3,288,900	75,200	75,200	33.3	2,500,800
Mercer	55,200	55,200	32.2	1,775,700	14,700	14,700	26.6	390,300
Oliver	27,400	26,700	33.4	891,300	17,300	17,000	23.2	393,800
West Central	328,400	321,100	31.2	10,009,100	144,400	141,800	29.1	4,128,900
Eddy	26,500	26,500	31.9	846,400	43,000	43,000	25.4	1,093,600
Foster	44,400	44,000	33.8	1,488,600	60,100	59,500	30.6	1,818,900
Kidder	30,500	30,500	24.0	731,900	57,500	57,500	19.2	1,106,100
Sheridan	64,600	64,200	29.1	1,867,400	45,400	44,800	26.4	1,184,600
Stutsman	126,400	124,500	34.1	4,242,800	143,500	142,400	28.9	4,113,000
Wells	77,400	77,400	34.1	2,642,300	87,600	87,600	28.2	2,472,700
Central	369,800	367,100	32.2	11,819,400	437,100	434,800	27.1	11,788,900
Barnes	84,500	84,100	32.6	2,739,200	154,800	154,200	30.9	4,765,300
Cass	56,800	56,300	31.3	1,763,400	221,500	218,000	34.4	7,504,400
Griggs	47,400	47,400	31.0	1,470,800	47,100	47,100	27.8	1,311,200
Steele	44,000	44,000	37.9	1,666,800	70,600	70,600	34.8	2,455,200
Traill	37,200	37,200	37.8	1,406,900	102,700	102,700	36.7	3,768,100
East Central	269,900	269,000	33.6	9,047,100	596,700	592,600	33.4	19,804,200
Adams	64,100	61,800	24.5	1,515,300	30,900	28,200	22.9	644,700
Billings	28,600	27,900	26.9	749,500	6,400	6,100	22.0	134,500
Bowman	59,700	57,200	23.1	1,323,700	15,300	14,800	22.5	332,300
Golden Valley	44,300	42,400	23.0	973,700	5,700	5,600	23.3	130,300
Hettinger	135,500	134,000	30.8	4,126,200	54,500	54,000	31.0	1,673,800
Slope	54,300	54,000	26.9	1,452,100	20,700	20,000	23.6	471,900
Stark	92,000	88,900	29.9	2,654,300	46,000	45,100	24.3	1,097,700
Southwest	478,500	466,200	27.4	12,794,800	181,500	173,800	25.8	4,485,200
Burleigh	66,600	65,100	27.9	1,816,800	83,300	78,800	21.6	1,705,200
Emmons	70,500	67,400	24.5	1,648,800	103,500	102,600	18.8	1,929,200
Grant	65,900	64,800	25.3	1,642,400	39,000	33,100	22.8	754,100
Morton	75,800	71,800	32.9	2,361,300	54,200	46,200	26.8	1,237,700
Sioux	23,500	19,200	20.7	397,500	16,300	14,600	18.8	274,500
South Central	302,300	288,300	27.3	7,866,800	296,300	275,300	21.4	5,900,700
Dickey	13,300	12,800	26.2	335,400	91,500	89,000	18.5	1,645,600
LaMoure	58,500	58,000	26.3	1,524,100	70,800	68,300	23.8	1,626,400
Logan	50,900	50,900	29.4	1,494,600	38,900	37,900	21.4	811,400
McIntosh	58,000	56,500	24.7	1,395,800	62,000	59,500	19.4	1,156,200
Ransom	30,800	29,400	31.8	933,800	63,500	61,900	25.9	1,603,700
Richland	16,200	16,100	28.8	464,400	178,800	175,900	29.1	5,126,600
Sargent	15,500	13,600	18.4	250,900	49,500	48,400	21.7	1,051,100
Southeast	243,200	237,300	27.0	6,399,000	555,000	540,900	24.1	13,021,000
STATE	3,183,700	3,137,900	31.8	99,930,600	3,293,500	3,239,400	30.0	97,298,700

1/ See page 125 for irrigated acres.

SPRING WHEAT
North Dakota, 1985 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	73,800	70,900	24.6	1,742,100	6,200	6,100	17.4	105,900
Divide	32,700	29,700	8.2	242,600	1,400	1,400	8.6	12,100
Mountrail	28,000	26,400	25.2	665,000	12,000	11,600	39.3	456,000
Renville	67,600	66,600	44.4	2,955,100	22,400	22,400	42.9	960,900
Ward	85,200	84,700	45.5	3,855,100	64,600	64,100	41.0	2,628,900
Williams	152,800	143,800	13.8	1,989,700	10,100	9,100	15.9	144,900
Northwest	440,100	422,100	27.1	11,449,600	116,700	114,700	37.6	4,308,700
Benson	30,000	30,000	37.6	1,128,000	24,500	24,500	30.6	750,000
Bottineau	59,000	58,500	43.6	2,547,800	26,000	25,500	40.1	1,022,200
McHenry	85,900	85,000	37.4	3,178,100	48,900	47,800	34.6	1,654,900
Pierce	43,000	41,900	30.9	1,295,000	37,000	36,100	27.9	1,006,000
Rolette	13,200	13,200	38.4	506,800	11,800	11,800	32.3	381,200
North Central	231,100	228,600	37.9	8,655,700	148,200	145,700	33.0	4,814,300
Cavalier	107,000	105,800	52.4	5,545,700	93,000	92,200	49.4	4,552,300
Grand Forks	75,400	75,400	50.1	3,779,200	129,300	129,300	52.3	6,760,800
Nelson	45,300	44,900	44.5	2,000,100	49,500	48,900	37.6	1,840,900
Pembina	62,800	62,800	54.6	3,429,600	167,200	167,200	53.6	8,967,400
Ramsey	56,000	56,000	43.8	2,454,600	44,000	44,000	39.7	1,745,400
Towner	4,100	4,100	52.4	214,700	10,900	10,900	42.2	460,300
Walsh	81,700	79,100	52.7	4,167,300	143,200	138,800	54.0	7,489,200
Northeast	432,300	428,100	50.4	21,591,200	637,100	631,300	50.4	31,816,300
Dunn	67,800	65,500	30.2	1,975,400	37,200	31,500	20.4	643,600
McKenzie	74,900	69,700	15.1	1,052,300	9,900	9,100	14.6	132,500
McLean	78,800	78,800	37.9	2,990,200	45,000	45,000	33.4	1,505,200
Mercer	53,900	53,900	40.4	2,179,900	10,900	9,900	31.1	308,100
Oliver	28,400	28,400	38.1	1,080,900	16,500	16,500	33.6	555,100
West Central	303,800	296,300	31.3	9,278,700	119,500	112,000	28.1	3,144,500
Eddy	25,700	25,700	32.2	828,800	34,300	34,300	28.3	971,200
Foster	41,900	41,900	39.0	1,635,900	38,100	38,100	32.7	1,244,100
Kidder	30,200	30,200	26.5	801,700	48,500	48,500	20.2	979,800
Sheridan	63,600	62,800	36.1	2,268,800	36,400	36,200	33.0	1,196,200
Stutsman	105,400	99,500	36.7	3,652,000	104,600	102,500	28.4	2,908,000
Wells	75,000	74,400	38.5	2,866,600	55,000	54,600	31.4	1,713,400
Central	341,800	334,500	36.0	12,053,800	316,900	314,200	28.7	9,012,700
Barnes	81,100	78,000	40.9	3,193,600	128,800	123,900	33.7	4,174,100
Cass	46,300	46,300	54.7	2,531,600	188,700	187,700	55.7	10,450,400
Griggs	46,900	46,900	44.6	2,091,500	42,700	42,700	39.1	1,670,500
Steele	43,400	43,400	47.5	2,063,600	76,300	75,300	43.5	3,276,400
Traill	37,500	37,500	55.9	2,094,400	97,300	97,300	56.0	5,453,600
East Central	255,200	252,100	47.5	11,974,700	533,800	526,900	47.5	25,025,000
Adams	70,300	68,500	26.8	1,834,000	19,700	19,500	18.8	366,000
Billings	22,200	16,700	14.6	244,000	7,800	4,300	6.7	29,000
Bowman	64,100	60,300	19.6	1,180,500	10,900	9,700	11.8	114,500
Golden Valley	40,200	36,300	15.3	557,100	9,800	6,700	13.1	87,900
Hettinger	124,300	123,900	33.1	4,101,100	50,700	50,100	25.9	1,295,900
Slope	53,800	52,000	28.0	1,458,500	16,200	15,000	18.9	283,500
Stark	92,000	90,600	28.8	2,609,300	38,000	36,400	24.3	883,700
Southwest	466,900	448,300	26.7	11,984,500	153,100	141,700	21.6	3,060,500
Burleigh	64,700	64,700	31.8	2,060,100	75,300	75,300	25.6	1,929,900
Emmons	78,900	78,100	27.7	2,162,800	95,500	94,300	21.8	2,053,200
Grant	67,300	67,300	32.0	2,153,800	37,600	37,600	23.6	886,700
Morton	79,800	79,200	32.6	2,585,600	45,100	42,700	23.6	1,008,900
Sioux	20,800	20,600	29.7	611,500	14,200	9,400	19.5	183,500
South Central	311,500	309,900	30.9	9,573,800	267,700	259,300	23.4	6,062,200
Dickey	29,600	29,600	38.5	1,140,500	74,700	74,700	29.3	2,187,300
LaMoure	65,500	64,200	36.3	2,330,800	59,200	57,500	30.3	1,742,500
Logan	51,900	51,400	32.0	1,646,100	38,000	37,500	22.4	841,400
McIntosh	56,100	53,900	26.0	1,404,000	58,900	58,100	18.2	1,060,000
Ransom	29,200	28,900	43.0	1,243,900	55,800	53,100	38.3	2,036,100
Richland	27,900	27,900	55.2	1,539,100	157,100	157,100	50.3	7,897,900
Sargent	12,600	12,600	47.1	593,900	42,100	42,100	39.1	1,646,100
Southeast	272,800	268,500	36.9	9,898,300	485,800	480,100	36.3	17,411,300
STATE	3,055,500	2,988,400	35.6	106,460,300	2,778,800	2,725,900	38.4	104,655,500

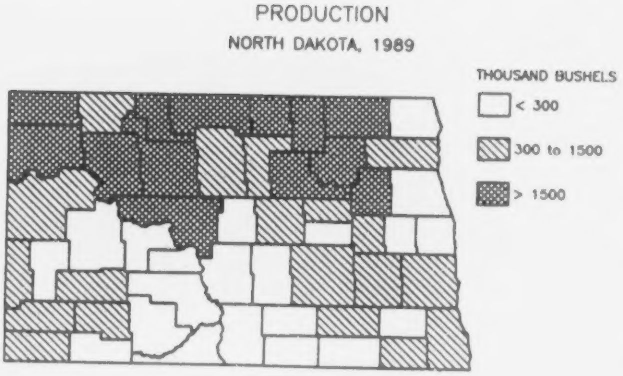
1/ See page 126 for irrigated acres.

SPRING WHEAT
North Dakota, 1984 1/

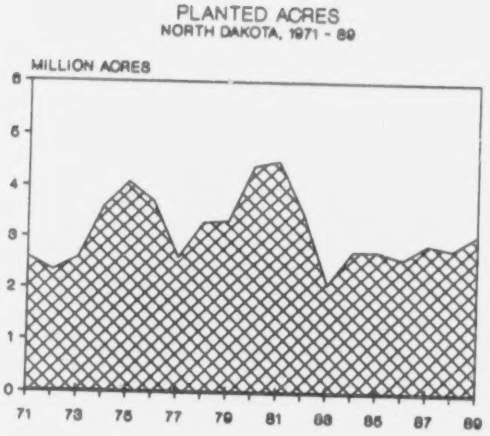
District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	76,000	75,500	21.7	1,637,000	9,000	8,500	14.9	127,000
Divide	29,000	27,000	14.0	379,000	200	200	7.0	1,400
Mountrail	27,000	26,000	17.7	461,000	3,000	3,000	20.3	61,000
Renville	74,000	73,000	34.6	2,525,000	16,000	16,000	28.5	456,000
Ward	104,000	104,000	31.6	3,282,000	36,000	36,000	28.4	1,022,000
Williams	141,000	138,000	16.5	2,276,000	12,600	10,600	12.3	130,400
Northwest	451,000	443,500	23.8	10,560,000	76,800	74,300	24.2	1,797,800
Benson	30,000	30,000	31.4	942,000	19,800	19,800	29.0	574,600
Bottineau	53,000	53,000	25.6	1,358,000	17,000	17,000	21.0	357,000
McHenry	79,000	79,000	26.1	2,062,000	41,000	41,000	21.8	893,000
Pierce	41,000	41,000	27.4	1,124,000	24,000	24,000	23.6	566,000
Rolette	9,000	9,000	30.7	276,000	6,000	6,000	26.5	159,000
North Central	212,000	212,000	27.2	5,762,000	107,800	107,800	23.7	2,549,600
Cavalier	110,000	110,000	43.0	4,725,000	50,000	50,000	38.3	1,915,000
Grand Forks	84,000	83,000	49.2	4,084,000	100,600	99,600	50.6	5,038,000
Nelson	54,000	54,000	40.4	2,182,000	35,900	35,900	39.3	1,412,000
Pembina	95,000	95,000	49.0	4,653,000	125,000	125,000	51.1	6,390,000
Ramsey	59,000	58,500	34.0	1,988,000	36,000	35,500	32.7	1,161,000
Towner	11,000	11,000	35.9	395,000	9,000	9,000	29.4	265,000
Walsh	107,000	106,000	50.8	5,385,000	102,900	101,900	51.2	5,216,500
Northeast	520,000	517,500	45.2	23,412,000	459,400	456,900	46.8	21,397,500
Dunn	83,000	82,000	25.2	2,066,000	27,000	26,000	20.2	526,000
McKenzie	65,000	62,600	18.7	1,169,000	12,200	9,600	11.1	106,600
McLean	108,000	106,500	27.9	2,971,000	31,000	30,500	24.4	745,000
Mercer	61,000	60,400	25.9	1,565,000	6,900	6,500	21.5	140,000
Oliver	29,000	29,000	29.2	847,000	10,900	10,900	22.8	249,000
West Central	346,000	340,500	25.3	8,618,000	88,000	83,500	21.2	1,766,600
Eddy	23,000	23,000	32.1	738,000	26,900	26,900	26.3	708,000
Foster	54,000	54,000	37.0	1,996,000	35,900	35,900	34.5	1,240,000
Kidder	35,000	34,500	26.4	911,000	28,700	28,200	23.5	663,800
Sheridan	68,000	66,000	27.1	1,790,000	32,000	32,000	23.7	758,000
Stutsman	127,000	125,700	35.9	4,509,000	72,900	72,200	32.1	2,318,200
Wells	85,000	85,000	33.1	2,817,000	40,000	40,000	29.3	1,170,000
Central	392,000	388,200	32.9	12,761,000	236,400	235,200	29.2	6,858,000
Barnes	116,000	116,000	41.0	4,758,000	83,800	83,800	38.5	3,230,000
Cass	73,000	73,000	47.8	3,487,000	137,000	137,000	48.8	6,679,000
Griggs	62,000	62,000	36.6	2,270,000	23,000	23,000	32.5	748,000
Steele	57,000	57,000	46.4	2,643,000	52,800	52,800	43.5	2,297,000
Traill	41,000	41,000	48.3	1,982,000	73,900	73,900	49.3	3,646,500
East Central	349,000	349,000	43.4	15,140,000	370,500	370,500	44.8	16,600,500
Adams	57,000	57,000	30.8	1,757,000	18,000	18,000	25.3	456,000
Billings	19,000	18,500	20.6	382,000	6,000	5,500	17.8	98,000
Bowman	57,000	56,500	25.8	1,458,000	8,000	7,500	14.7	110,000
Golden Valley	35,000	34,500	18.8	648,000	4,800	4,300	15.6	67,000
Hettinger	134,000	133,000	33.3	4,424,000	36,000	36,000	29.7	1,069,000
Slope	58,000	58,000	27.9	1,619,000	7,000	7,000	24.1	169,000
Stark	112,000	112,000	29.3	3,276,000	38,000	37,000	22.7	840,000
Southwest	472,000	469,500	28.9	13,564,000	117,800	115,300	24.4	2,809,000
Burleigh	83,000	83,000	27.4	2,275,000	47,000	47,000	21.7	1,019,000
Emmons	99,000	99,000	31.1	3,078,000	70,400	70,400	24.6	1,731,000
Grant	80,000	75,500	27.0	2,040,000	20,000	17,500	21.6	378,000
Morton	85,000	83,500	26.9	2,243,000	40,000	36,500	22.4	817,000
Sioux	14,000	13,500	27.8	375,000	11,000	8,500	21.9	186,000
South Central	361,000	354,500	28.2	10,011,000	188,400	179,900	23.0	4,131,000
Dickey	34,000	34,000	36.5	1,241,000	45,600	45,600	32.9	1,502,200
LaMoure	85,000	85,000	37.7	3,207,000	44,800	44,800	34.1	1,529,600
Logan	61,000	61,000	32.5	1,983,000	24,000	24,000	25.4	610,000
McIntosh	59,000	59,000	30.4	1,795,000	36,000	36,000	25.4	913,000
Ransom	42,000	42,000	43.6	1,831,000	37,700	37,700	33.7	1,271,000
Richland	32,000	32,000	47.5	1,521,000	123,000	123,000	42.6	5,235,000
Sargent	21,500	21,500	41.9	900,000	43,500	43,500	36.9	1,603,000
Southeast	334,500	334,500	37.3	12,478,000	354,600	354,600	35.7	12,663,800
STATE	3,437,500	3,409,200	32.9	112,306,000	1,999,700	1,978,000	35.7	70,573,800

1/ See page 127 for irrigated acres.

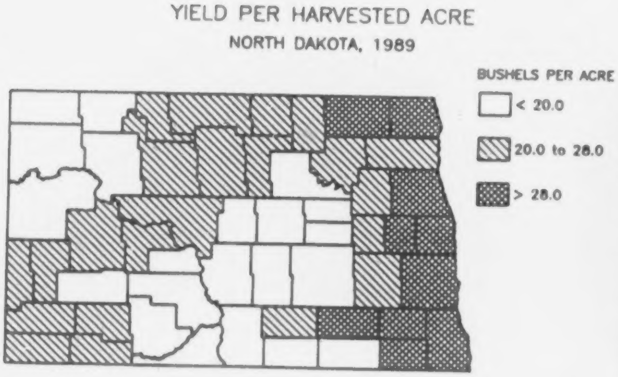
DURUM WHEAT



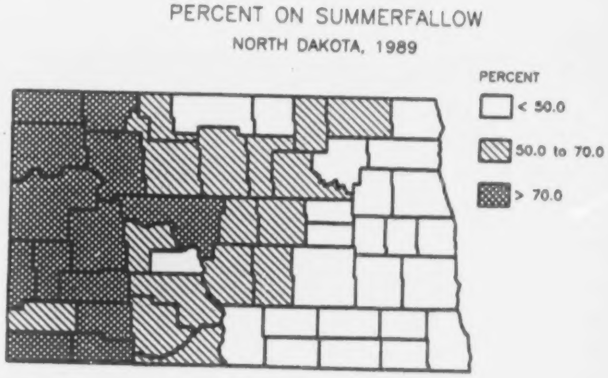
PRODUCTION
NORTH DAKOTA, 1989



PLANTED ACRES
NORTH DAKOTA, 1971 - 89



YIELD PER HARVESTED ACRE
NORTH DAKOTA, 1989



PERCENT ON SUMMERFALLOW
NORTH DAKOTA, 1989

North Dakota, 1980-89

Year	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
	(Acres)	(Acres)	(Bu.)	(Bu.)	($/Bu.)	(Dols.)	(Dols.)
1980	4,400,000	3,850,000	19.0	73,150,000	5.12	374,528,000	97.28
1981	4,500,000	4,410,000	29.0	127,890,000	3.50	447,615,000	101.50
1982	3,500,000	3,410,000	32.5	110,825,000	3.42	379,022,000	111.15
1983	2,090,000	2,050,000	26.5	54,325,000	3.97	215,670,000	105.20
1984	2,750,000	2,710,000	29.0	78,590,000	3.76	295,498,000	109.04
1985	2,750,000	2,690,000	35.5	95,495,000	3.16	301,764,000	112.18
1986	2,600,000	2,500,000	32.0	80,000,000	2.66	212,800,000	85.12
1987	2,900,000	2,850,000	26.0	74,100,000	3.38	250,458,000	87.88
1988	2,800,000	2,400,000	13.0	31,200,000	4.60	143,520,000	59.80
1989	3,100,000	3,000,000	22.0	66,000,000	3.30	217,800,000	72.60

DURUM WHEAT
North Dakota, 1989 and 1988

District and County	1989				1988			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	85,000	82,800	18.0	1,490,000	80,000	70,500	15.0	1,058,000
Divide	210,000	200,900	13.5	2,712,000	175,000	159,000	12.0	1,908,000
Mountrail	225,000	220,700	18.0	3,983,000	195,000	175,000	11.3	1,978,000
Renville	75,000	74,700	25.0	1,867,000	60,000	56,000	17.0	952,000
Ward	220,000	217,500	22.0	4,785,000	190,000	165,000	12.0	1,980,000
Williams	150,000	148,400	14.0	2,078,000	130,000	114,500	8.5	974,000
Northwest	965,000	945,000	17.9	16,915,000	830,000	740,000	12.0	8,850,000
Benson	205,000	182,000	19.0	3,458,000	180,000	120,000	10.5	1,260,000
Bottineau	240,000	236,500	25.5	6,035,000	220,000	200,000	14.6	2,921,000
McHenry	20,000	19,000	20.0	380,000	30,000	23,000	10.5	242,000
Pierce	80,000	69,100	20.0	1,382,000	70,000	53,500	10.5	562,000
Rolette	115,000	113,400	26.5	3,005,000	110,000	103,500	14.5	1,500,000
North Central	660,000	620,000	23.0	14,260,000	610,000	500,000	13.0	6,485,000
Cavalier	155,000	154,500	28.5	4,403,000	140,000	134,500	18.0	2,421,000
Grand Forks	5,000	5,000	29.0	145,000	10,000	9,500	21.5	204,000
Nelson	89,000	88,500	22.5	1,991,000	90,000	84,000	16.5	1,386,000
Pembina	4,000	4,000	42.0	168,000	7,000	6,500	22.0	143,000
Ramsey	175,000	173,500	25.6	4,450,000	170,000	158,500	15.0	2,378,000
Towner	250,000	248,600	26.9	6,689,000	210,000	200,000	15.8	3,162,000
Walsh	27,000	26,900	27.0	726,000	23,000	22,000	14.0	308,000
Northeast	705,000	701,000	26.5	18,572,000	650,000	615,000	16.3	10,002,000
Dunn	4,000	3,600	20.0	72,000	3,000	1,900	8.4	16,000
McKenzie	51,000	40,600	18.5	751,000	33,000	19,000	8.0	152,000
McLean	200,000	196,500	21.6	4,249,000	174,000	151,500	9.0	1,370,000
Mercer	14,000	12,500	20.0	250,000	8,000	6,000	10.5	63,000
Oliver	1,000	800	15.0	12,000	2,000	1,600	7.5	12,000
West Central	270,000	254,000	21.0	5,334,000	220,000	180,000	9.0	1,613,000
Eddy	20,000	19,100	16.0	305,000	14,000	12,500	11.0	138,000
Foster	8,500	8,200	19.5	160,000	9,000	6,500	9.5	62,000
Kidder	7,500	5,700	13.0	74,000	6,500	4,000	6.0	24,000
Sheridan	1,000	900	17.8	16,000	2,500	1,500	6.0	9,000
Stutsman	68,000	66,400	19.5	1,295,000	59,000	43,000	11.0	473,000
Wells	70,000	67,700	17.3	1,174,000	69,000	57,500	10.6	610,000
Central	175,000	168,000	18.0	3,024,000	160,000	125,000	10.5	1,316,000
Barnes	13,500	13,500	27.0	365,000	8,500	7,000	13.0	91,000
Cass	38,500	38,500	35.1	1,351,000	33,500	31,000	18.5	575,000
Griggs	16,500	16,500	23.0	380,000	13,000	11,500	17.5	201,000
Steele	6,000	6,000	31.5	189,000	5,500	5,200	19.8	103,000
Traill	5,500	5,500	35.5	195,000	8,500	8,300	31.0	257,000
East Central	80,000	80,000	31.0	2,480,000	69,000	63,000	19.5	1,227,000
Adams	12,500	12,400	22.0	273,000	4,000	3,300	6.4	21,000
Billings	3,500	3,400	20.0	68,000	1,000	700	8.6	6,000
Bowman	22,000	21,900	27.0	591,000	21,500	18,000	8.5	153,000
Golden Valley	27,000	26,400	25.9	683,000	17,500	10,500	6.5	68,000
Hettinger	19,500	19,400	23.0	446,000	19,000	17,000	10.5	179,000
Slope	16,500	16,400	24.5	402,000	13,000	11,000	9.0	99,000
Stark	24,000	22,100	15.5	343,000	14,000	9,500	7.5	71,000
Southwest	125,000	122,000	23.0	2,806,000	90,000	70,000	8.5	597,000
Burleigh	21,500	16,400	10.9	179,000	16,500	5,500	6.4	35,000
Emmons	1,500	800	7.5	6,000	4,000	1,300	5.4	7,000
Grant	7,500	6,000	11.0	66,000	1,000	500	8.0	4,000
Morton	2,200	1,600	13.8	22,000	6,000	3,500	8.9	31,000
Sioux	300	200	10.0	2,000	8,500	4,200	5.0	21,000
South Central	33,000	25,000	11.0	275,000	36,000	15,000	6.5	98,000
Dickey	16,000	15,700	19.0	298,000	25,000	16,000	7.0	112,000
LaMoure	21,000	20,700	29.3	606,000	26,000	17,000	11.5	196,000
Logan	4,300	3,900	22.6	88,000	8,500	2,600	8.5	22,000
McIntosh	13,000	12,100	13.0	157,000	13,500	3,800	6.6	25,000
Ransom	4,400	4,300	36.0	155,000	10,000	6,600	11.5	76,000
Richland	10,000	10,000	39.0	390,000	29,000	28,000	16.3	455,000
Sargent	18,300	18,300	35.0	640,000	23,000	18,000	7.0	126,000
Southeast	87,000	85,000	27.5	2,334,000	135,000	92,000	11.0	1,012,000
STATE	3,100,000	3,000,000	22.0	66,000,000	2,800,000	2,400,000	13.0	31,200,000

DURUM WHEAT
North Dakota, 1987 and 1986

District and County	1987 Acres Planted	1987 Acres Harvested	1987 Yield Per Harvested Acre	1987 Production	1986 Acres Planted	1986 Acres Harvested	1986 Yield Per Harvested Acre	1986 Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	75,000	74,500	23.5	1,751,000	55,000	53,500	34.0	1,819,000
Divide	165,000	161,000	30.0	4,830,000	150,000	147,000	34.5	5,070,000
Mountrail	200,000	198,000	19.4	3,850,000	175,000	173,000	38.0	6,569,000
Renville	70,000	69,500	21.5	1,494,000	65,000	64,500	34.5	2,225,000
Ward	210,000	193,000	18.0	3,474,000	210,000	209,000	35.5	7,412,000
Williams	120,000	119,000	25.0	2,975,000	85,000	83,000	34.0	2,820,000
Northwest	840,000	815,000	22.5	18,374,000	740,000	730,000	35.5	25,915,000
Benson	175,000	174,500	25.5	4,450,000	145,000	140,000	29.5	4,130,000
Bottineau	210,000	207,500	21.7	4,498,000	220,000	215,000	35.2	7,558,000
McHenry	30,000	29,000	18.0	522,000	31,000	27,000	30.5	824,000
Pierce	70,000	68,500	19.0	1,302,000	64,000	62,000	26.5	1,643,000
Rolette	105,000	102,500	25.5	2,614,000	110,000	106,000	32.5	3,445,000
North Central	590,000	582,000	23.0	13,386,000	570,000	550,000	32.0	17,600,000
Cavalier	145,000	144,000	38.5	5,544,000	120,000	112,000	31.0	3,472,000
Grand Forks	13,000	12,700	40.0	508,000	12,000	12,000	37.5	450,000
Nelson	105,000	103,500	31.0	3,209,000	79,000	77,000	29.5	2,272,000
Pembina	6,000	6,000	42.0	252,000	1,000	1,000	44.0	44,000
Ramsey	175,000	174,500	28.2	4,923,000	165,000	158,000	29.5	4,661,000
Towner	210,000	209,500	30.0	6,285,000	210,000	198,000	26.8	5,299,000
Walsh	26,000	25,800	36.0	929,000	33,000	32,000	28.5	912,000
Northeast	680,000	676,000	32.0	21,650,000	620,000	590,000	29.0	17,110,000
Dunn	6,500	6,300	19.5	123,000	5,500	4,500	30.0	135,000
McKenzie	56,000	54,500	22.0	1,199,000	46,000	44,000	34.0	1,496,000
McLean	195,000	193,000	19.9	3,844,000	165,000	163,000	33.3	5,436,000
Mercer	12,500	12,200	23.5	287,000	13,000	13,000	35.0	455,000
Oliver	---	---	---	---	500	500	32.0	16,000
West Central	270,000	266,000	20.5	5,453,000	230,000	225,000	33.5	7,538,000
Eddy	15,000	14,700	25.0	367,000	8,000	7,500	28.5	214,000
Foster	9,000	8,700	27.0	235,000	14,000	13,000	26.5	344,000
Kidder	7,000	6,700	24.5	164,000	8,000	7,000	19.0	133,000
Sheridan	6,000	5,900	22.0	130,000	6,000	5,500	30.0	165,000
Stutsman	75,000	74,500	30.7	2,284,000	95,000	89,000	30.0	2,667,000
Wells	68,000	67,500	28.0	1,890,000	39,000	38,000	31.5	1,197,000
Central	180,000	178,000	28.5	5,070,000	170,000	160,000	29.5	4,720,000
Barnes	15,000	14,800	31.5	466,000	17,000	15,500	31.5	488,000
Cass	34,000	33,800	42.7	1,443,000	25,000	22,000	32.5	715,000
Griggs	12,000	11,800	30.0	354,000	7,500	7,000	25.0	175,000
Steele	8,000	7,900	28.5	225,000	4,500	4,500	34.0	153,000
Traill	11,000	10,700	37.0	396,000	6,000	6,000	24.5	147,000
East Central	80,000	79,000	36.5	2,884,000	60,000	55,000	30.5	1,678,000
Adams	4,000	4,000	30.0	120,000	10,500	8,300	29.0	241,000
Billings	---	---	---	---	---	---	---	---
Bowman	17,000	16,600	28.0	465,000	20,500	20,000	29.5	590,000
Golden Valley	17,000	16,900	28.0	473,000	10,000	9,200	29.5	271,000
Hettinger	31,000	29,000	25.0	726,000	22,500	22,000	35.2	774,000
Slope	16,000	15,700	32.5	510,000	8,500	8,000	30.0	240,000
Stark	15,000	14,800	28.5	422,000	13,000	12,500	35.5	444,000
Southwest	100,000	97,000	28.0	2,716,000	85,000	80,000	32.0	2,560,000
Burleigh	13,000	12,500	27.0	338,000	10,000	10,000	29.5	295,000
Emmons	5,000	5,000	21.0	105,000	4,400	3,500	20.9	73,000
Grant	4,500	4,400	25.0	110,000	2,400	2,300	27.4	63,000
Morton	5,000	4,900	26.5	130,000	1,900	1,200	25.0	30,000
Sioux	7,500	7,200	18.5	133,000	6,300	6,000	19.0	114,000
South Central	35,000	34,000	24.0	816,000	25,000	23,000	25.0	575,000
Dickey	13,000	12,200	21.5	262,000	32,000	29,000	29.3	851,000
LaMoure	25,000	24,900	27.0	672,000	24,000	19,200	24.0	461,000
Logan	10,000	9,800	25.5	250,000	6,700	5,300	27.0	143,000
McIntosh	9,000	8,600	21.5	185,000	13,000	11,000	21.0	231,000
Ransom	8,000	7,700	32.5	250,000	3,800	3,500	30.0	105,000
Richland	29,000	29,000	42.5	1,232,000	8,500	7,900	30.5	241,000
Sargent	31,000	30,800	29.2	900,000	12,000	11,100	24.5	272,000
Southeast	125,000	123,000	30.5	3,751,000	100,000	87,000	26.5	2,304,000
STATE	2,900,000	2,850,000	26.0	74,100,000	2,600,000	2,500,000	32.0	80,000,000

DURUM WHEAT
North Dakota, 1985 and 1984

District and County	1985				1984			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	65,000	64,000	29.5	1,888,000	65,000	65,000	24.0	1,560,000
Divide	140,000	129,000	12.5	1,613,000	150,000	148,000	15.0	2,220,000
Mountrail	165,000	160,000	32.0	5,120,000	175,000	172,000	22.0	3,784,000
Renville	75,000	74,000	43.2	3,194,000	80,000	80,000	30.0	2,400,000
Ward	190,000	188,000	42.0	7,900,000	210,000	208,000	27.5	5,720,000
Williams	105,000	100,000	14.0	1,400,000	120,000	117,000	14.5	1,696,000
Northwest	740,000	715,000	29.5	21,115,000	800,000	790,000	22.0	17,380,000
Benson	160,000	158,000	33.2	5,239,000	160,000	158,000	30.5	4,819,000
Bottineau	180,000	177,000	43.5	7,700,000	210,000	206,000	27.2	5,606,000
McHenry	36,000	36,000	41.5	1,494,000	40,000	40,000	27.0	1,080,000
Pierce	69,000	69,000	33.5	2,312,000	75,000	74,000	27.5	2,035,000
Rolette	85,000	85,000	38.0	3,230,000	95,000	92,000	30.0	2,760,000
North Central	530,000	525,000	38.0	19,975,000	580,000	570,000	28.6	16,300,000
Cavalier	125,000	124,000	49.5	6,138,000	130,000	128,000	37.5	4,800,000
Grand Forks	16,000	16,000	50.0	800,000	13,000	13,000	46.5	604,000
Nelson	90,000	89,000	39.5	3,514,000	86,000	85,000	37.5	3,188,000
Pembina	2,000	2,000	44.0	88,000	3,000	3,000	52.0	156,000
Ramsey	140,000	139,000	40.0	5,560,000	135,000	133,000	34.5	4,591,000
Towner	200,000	197,000	40.5	7,977,000	195,000	191,000	30.5	5,830,000
Walsh	37,000	33,000	43.5	1,436,000	38,000	37,000	48.0	1,776,000
Northeast	610,000	600,000	42.5	25,513,000	600,000	590,000	35.5	20,945,000
Dunn	2,000	2,000	33.5	67,000	7,000	7,000	31.0	217,000
McKenzie	41,000	40,000	21.0	840,000	47,000	45,000	22.5	1,013,000
McLean	170,000	166,000	39.2	6,507,000	145,000	143,000	26.5	3,796,000
Mercer	16,000	16,000	41.0	656,000	10,000	10,000	30.0	300,000
Oliver	1,000	1,000	30.0	30,000	1,000	1,000	30.0	30,000
West Central	230,000	225,000	36.0	8,100,000	210,000	206,000	26.0	5,356,000
Eddy	20,000	20,000	31.5	630,000	17,000	17,000	26.0	442,000
Foster	21,000	21,000	36.0	756,000	16,000	16,000	35.5	568,000
Kidder	19,000	19,000	24.0	456,000	23,000	23,000	25.0	575,000
Sheridan	10,000	10,000	36.5	365,000	10,000	10,000	24.0	240,000
Stutsman	120,000	117,000	31.4	3,676,000	110,000	108,000	34.0	3,672,000
Wells	80,000	78,000	35.0	2,730,000	74,000	73,000	31.3	2,284,000
Central	270,000	265,000	32.5	8,613,000	250,000	247,000	31.5	7,781,000
Barnes	36,000	35,000	33.0	1,155,000	28,000	28,000	40.2	1,125,000
Cass	37,000	37,000	58.1	2,151,000	22,000	22,000	51.0	1,122,000
Griggs	12,000	12,000	42.5	510,000	10,000	10,000	37.0	370,000
Steele	8,000	8,000	45.5	364,000	7,000	7,000	37.0	259,000
Traill	5,000	5,000	57.0	285,000	6,000	6,000	50.0	300,000
East Central	98,000	97,000	46.0	4,465,000	73,000	73,000	43.5	3,176,000
Adams	15,000	15,000	27.0	405,000	16,000	15,600	29.5	460,000
Billings	500	500	20.0	10,000	—	—	—	—
Bowman	19,500	17,000	21.0	357,000	20,000	19,600	29.0	568,000
Golden Valley	20,000	17,500	18.0	315,000	12,000	11,600	28.0	325,000
Hettinger	27,000	26,500	35.0	927,000	24,000	23,700	40.5	961,000
Slope	13,000	13,000	22.5	293,000	10,000	10,000	31.5	315,000
Stark	15,000	14,500	27.5	399,000	7,000	6,500	30.5	198,000
Southwest	110,000	104,000	26.0	2,706,000	89,000	87,000	32.5	2,827,000
Burleigh	10,000	10,000	28.5	285,000	5,500	5,500	24.9	137,000
Emmons	5,000	5,000	20.6	103,000	5,000	5,000	26.0	130,000
Grant	3,000	3,000	20.3	61,000	3,500	3,500	24.0	84,000
Morton	4,000	3,700	21.1	78,000	4,000	4,000	24.0	96,000
Sioux	5,000	4,300	21.4	92,000	5,000	5,000	32.4	162,000
South Central	27,000	26,000	23.8	619,000	23,000	23,000	26.5	609,000
Dickey	22,000	21,500	34.0	731,000	19,000	19,000	31.0	589,000
LaMoure	43,000	42,000	30.0	1,260,000	34,500	34,000	36.0	1,223,000
Logan	16,000	16,000	27.0	432,000	13,000	13,000	28.5	371,000
McIntosh	19,000	19,000	23.5	447,000	28,500	28,500	30.0	855,000
Ransom	6,000	6,000	36.5	219,000	5,000	5,000	39.0	195,000
Richland	9,000	9,000	55.6	500,000	10,000	10,000	41.0	410,000
Sargent	20,000	19,500	41.0	800,000	15,000	14,500	39.5	573,000
Southeast	135,000	133,000	33.0	4,389,000	125,000	124,000	34.0	4,216,000
STATE	2,750,000	2,690,000	35.5	95,495,000	2,750,000	2,710,000	29.0	78,590,000

DURUM WHEAT
North Dakota, 1989 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	70,800	69,800	18.6	1,296,500	14,200	13,000	14.9	193,500
Divide	198,000	190,500	13.4	2,558,400	10,400	8,800	8.6	75,400
Mountrail	180,700	179,100	19.4	3,466,900	44,300	41,600	12.4	516,100
Renville	45,900	[illegible]	25.2	1,149,700	29,100	29,000	24.7	717,300
Ward	129,600	[illegible]	24.1	3,101,800	90,300	88,700	18.9	1,678,200
Williams	135,800	134,400	13.4	1,795,300	11,800	11,600	12.0	139,200
Northwest	760,800	748,200	17.9	13,368,600	200,100	192,700	17.2	3,319,700
Benson	114,800	105,400	20.6	2,174,200	89,800	76,200	16.7	1,270,800
Bottineau	112,300	110,100	28.0	3,079,600	127,700	126,400	23.4	2,955,400
McHenry	10,100	9,700	22.8	221,300	9,900	9,300	17.1	158,700
Pierce	49,800	42,700	21.7	926,500	30,200	26,400	17.3	455,500
Rolette	56,800	56,600	28.2	1,593,800	58,200	56,800	24.8	1,411,200
North Central	343,800	324,500	24.6	7,995,400	315,800	295,100	21.2	6,251,600
Cavalier	78,700	78,500	32.1	2,516,800	76,300	76,000	24.8	1,886,200
Grand Forks	700	700	28.3	19,800	4,300	4,300	29.1	125,200
Nelson	35,200	35,000	25.6	895,200	53,800	53,500	20.5	1,095,800
Pembina	500	500	39.6	19,800	3,500	3,500	42.3	148,200
Ramsey	86,800	86,100	26.8	2,305,500	88,200	87,400	24.5	2,144,500
Towner	129,000	128,100	28.7	3,672,600	121,000	120,500	25.0	3,016,400
Walsh	8,900	8,900	24.7	220,100	18,100	18,000	28.1	505,900
Northeast	339,800	337,800	28.6	9,649,800	365,200	363,200	24.6	8,922,200
Dunn	3,200	2,900	20.6	59,800	800	700	17.4	12,200
McKenzie	47,600	38,200	18.8	718,800	3,400	2,400	13.4	32,200
McLean	142,200	139,800	24.0	3,350,600	57,300	56,200	15.5	868,400
Mercer	9,500	8,600	21.5	185,300	4,500	3,900	16.6	64,700
Oliver	---	---	---	---	1,000	800	15.0	12,000
West Central	202,500	189,500	22.8	4,314,500	67,000	64,000	15.5	989,500
Eddy	6,900	6,600	21.6	142,500	12,800	12,300	12.8	157,500
Foster	2,500	2,400	18.5	44,400	5,900	5,700	19.8	112,800
Kidder	4,700	3,800	15.0	57,000	2,800	1,900	8.9	17,000
Sheridan	600	600	18.7	11,200	400	300	16.0	4,800
Stutsman	33,000	32,900	24.6	808,200	35,000	33,500	14.5	486,800
Wells	37,300	36,200	19.6	707,800	32,700	31,500	14.8	466,200
Central	85,000	82,500	21.5	1,771,100	89,600	85,200	14.6	1,245,100
Barnes	3,500	3,500	29.7	103,900	10,000	10,000	26.1	261,100
Cass	7,300	7,300	39.4	287,600	30,500	30,500	33.7	1,028,400
Griggs	3,600	3,600	24.5	88,300	12,900	12,900	22.6	291,700
Steele	1,100	1,100	40.0	44,000	4,900	4,900	29.6	145,000
Traill	700	700	44.9	31,400	4,800	4,800	34.1	163,600
East Central	16,200	16,200	34.3	555,200	63,100	63,100	29.9	1,889,800
Adams	10,900	10,900	22.4	244,700	1,600	1,500	18.9	28,300
Billings	3,000	3,000	20.5	61,500	500	400	16.3	6,500
Bowman	20,100	20,100	27.1	544,200	1,900	1,800	26.0	46,800
Golden Valley	21,500	20,900	26.4	551,700	5,500	5,500	23.9	131,300
Hettinger	15,700	15,600	25.3	394,100	3,800	3,800	13.7	51,900
Slope	11,000	10,900	26.1	284,600	5,500	5,500	21.3	117,400
Stark	17,100	16,500	16.8	276,500	6,900	5,600	11.9	66,500
Southwest	99,300	97,900	24.1	2,357,300	25,700	24,100	18.6	448,700
Burleigh	11,800	9,200	16.2	149,000	9,700	7,200	4.2	30,000
Emmons	700	400	7.8	3,100	800	400	7.3	2,900
Grant	4,100	3,500	12.0	42,000	3,400	2,500	9.6	24,000
Morton	1,200	1,000	16.4	16,400	1,000	600	9.3	5,600
Sioux	200	100	10.0	1,000	100	100	10.0	1,000
South Central	18,000	14,200	14.9	211,500	15,000	10,800	5.9	63,500
Dickey	2,900	2,900	21.4	62,000	13,000	12,700	18.3	232,000
LaMoure	7,600	7,600	30.9	234,500	13,400	13,100	28.4	371,500
Logan	2,000	1,800	29.0	52,200	2,300	2,100	17.0	35,800
McIntosh	6,300	5,900	15.7	92,600	6,700	6,200	10.4	64,400
Ransom	1,600	1,600	35.0	56,000	2,800	2,700	36.7	99,000
Richland	500	500	47.8	23,900	9,500	9,500	38.5	366,100
Sargent	3,000	3,000	40.6	121,700	15,300	15,300	33.9	518,300
Southeast	23,900	23,300	27.6	642,900	63,000	61,600	27.4	1,687,100
STATE	1,889,300	1,834,100	22.3	40,866,300	1,204,500	1,159,800	21.4	24,817,200

1/ See page 122 for irrigated acres.

DURUM WHEAT
North Dakota, 1988 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	70,200	63,800	15.6	996,200	9,800	6,700	8.9	59,800
Divide	163,500	151,400	12.0	1,816,400	9,400	5,500	7.9	43,300
Mountrail	158,700	143,600	12.0	1,724,500	36,300	31,400	8.1	253,500
Renville	46,800	43,900	18.5	812,900	13,200	12,100	11.5	139,100
Ward	117,800	107,400	13.8	1,485,000	72,000	57,400	8.6	491,000
Williams	119,300	109,800	8.2	900,000	7,900	2,200	3.0	6,500
Northwest	676,300	619,900	12.5	7,737,000	148,600	115,300	8.6	993,200
Benson	114,500	91,500	11.2	1,025,500	65,200	28,300	8.2	230,900
Bottineau	134,000	123,200	15.7	1,933,000	86,000	76,800	12.9	988,000
McHenry	18,800	15,500	12.1	187,900	11,200	7,500	7.2	54,100
Pierce	49,200	42,100	10.3	433,500	20,800	11,400	11.3	128,500
Rolette	61,900	58,300	15.8	919,500	48,100	45,200	12.8	580,500
North Central	378,400	330,600	13.6	4,499,400	231,300	169,200	11.7	1,982,000
Cavalier	81,800	78,500	20.6	1,614,700	58,200	56,000	14.4	806,300
Grand Forks	1,900	1,800	21.3	38,400	8,100	7,700	21.5	165,600
Nelson	48,900	46,800	17.8	833,400	41,100	37,200	14.9	552,600
Pembina	2,400	2,300	22.6	51,900	4,600	4,200	21.7	91,100
Ramsey	91,000	86,200	17.4	1,502,300	79,000	72,300	12.1	875,700
Towner	125,000	119,800	17.3	2,069,500	85,000	80,200	13.6	1,092,500
Walsh	7,400	7,100	18.5	131,500	15,600	14,900	11.8	176,500
Northeast	358,400	342,500	18.2	6,241,700	291,600	272,500	13.8	3,760,300
Dunn	2,400	1,600	8.9	14,200	600	300	6.0	1,800
McKenzie	29,700	17,700	8.0	142,400	3,200	1,200	6.6	7,900
McLean	127,500	116,000	10.1	1,167,000	46,100	35,100	5.6	195,800
Mercer	7,000	5,700	10.6	60,600	1,000	300	8.0	2,400
Oliver	1,300	1,200	7.5	9,000	700	400	7.5	3,000
West Central	167,900	142,200	9.8	1,393,200	51,600	37,300	5.7	210,900
Eddy	7,000	6,800	13.0	88,100	7,000	5,700	8.8	49,900
Foster	3,000	2,400	12.6	30,200	6,000	4,100	7.8	31,800
Kidder	4,200	2,800	6.6	18,500	2,200	1,100	3.9	4,300
Sheridan	2,000	1,300	6.2	8,000	500	200	5.0	1,000
Stutsman	29,400	25,100	12.8	322,100	29,600	17,900	8.4	150,900
Wells	38,000	34,200	11.9	406,300	31,000	23,300	8.7	203,700
Central	83,600	72,600	12.0	873,200	76,300	52,300	8.4	441,600
Barnes	1,800	1,600	19.4	31,100	6,700	5,400	11.1	59,900
Cass	7,400	7,000	23.2	162,300	25,100	23,000	16.2	372,300
Griggs	5,700	5,600	17.5	97,800	6,800	5,400	16.5	89,200
Steele	2,100	2,000	20.0	40,000	3,400	3,200	19.7	63,000
Traill	1,800	1,800	36.7	66,000	6,700	6,500	29.4	191,000
East Central	18,800	18,000	22.1	397,200	48,700	43,500	17.8	775,400
Adams	3,600	3,200	6.4	20,400	400	100	6.0	600
Billings	900	700	8.6	6,000	100	—	—	—
Bowman	18,600	17,300	8.7	150,900	2,900	700	3.0	2,100
Golden Valley	15,600	10,200	6.6	67,100	1,900	300	3.0	900
Hettinger	15,400	14,200	11.5	163,300	3,600	2,800	5.6	15,700
Slope	10,200	8,800	9.9	87,400	2,800	2,200	5.3	11,600
Stark	11,500	8,800	7.7	67,800	2,500	700	4.6	3,200
Southwest	75,800	63,200	8.9	562,900	14,200	6,800	5.0	34,100
Burleigh	10,200	5,000	6.7	33,500	6,300	500	3.0	1,500
Emmons	2,300	1,100	5.8	6,400	1,700	200	3.0	600
Grant	900	500	8.0	4,000	100	—	—	—
Morton	5,100	3,000	9.1	27,300	900	500	7.4	3,700
Sioux	4,500	3,800	5.1	19,400	4,000	400	4.0	1,600
South Central	23,000	13,400	6.8	90,600	13,000	1,600	4.6	7,400
Dickey	5,000	3,900	8.1	31,700	20,000	12,100	6.6	80,300
LaMoure	13,100	10,800	13.7	147,800	12,900	6,200	7.8	48,200
Logan	4,700	2,400	8.9	21,400	3,800	200	3.0	600
McIntosh	7,000	3,000	6.9	20,800	6,500	800	5.3	4,200
Ransom	3,800	2,600	11.8	30,600	6,200	4,000	11.4	45,400
Richland	1,500	1,500	24.9	37,400	27,500	26,500	15.8	417,600
Sargent	6,900	5,500	8.9	49,000	16,100	12,500	6.2	77,000
Southeast	42,000	29,700	11.4	338,700	93,000	62,300	10.8	673,300
STATE	1,824,200	1,632,100	13.6	22,133,900	968,300	760,800	11.7	8,878,200

1/ See page 123 for irrigated acres.

DURUM WHEAT

North Dakota, 1987 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	64,000	63,500	24.2	1,536,300	11,000	11,000	19.5	214,700
Divide	152,100	148,100	30.2	4,479,300	11,400	11,400	23.5	268,200
Mountrail	170,400	170,100	20.1	3,420,100	29,600	27,900	15.4	429,900
Renville	45,800	45,600	24.3	1,106,000	24,200	23,900	16.2	388,000
Ward	123,500	112,900	19.8	2,235,900	86,500	80,100	15.5	1,238,100
Williams	115,900	114,900	24.7	2,837,600	2,300	2,300	19.7	45,200
Northwest	671,700	655,100	23.8	15,615,200	165,000	156,600	16.5	2,584,100
Benson	97,000	96,700	27.1	2,620,500	77,600	77,400	23.4	1,812,900
Bottineau	115,300	115,300	24.3	2,803,700	94,700	92,200	18.4	1,694,300
McHenry	16,100	15,600	20.9	325,700	13,900	13,400	14.6	196,300
Pierce	42,100	42,100	21.1	887,600	27,900	26,400	15.7	414,400
Rolette	59,200	59,000	29.5	1,741,200	45,800	43,500	20.1	872,800
North Central	329,700	328,700	25.5	8,378,700	259,900	252,900	19.7	4,990,700
Cavalier	78,700	78,300	40.2	3,148,600	66,300	65,700	36.5	2,395,400
Grand Forks	3,500	3,400	33.0	112,100	9,500	9,300	42.6	395,900
Nelson	48,300	47,600	31.8	1,515,400	56,700	55,900	30.3	1,693,600
Pembina	1,800	1,800	46.7	84,000	4,200	4,200	40.0	168,000
Ramsey	95,700	95,300	29.9	2,850,300	79,300	79,200	26.2	2,072,700
Towner	110,700	110,400	30.8	3,397,100	99,300	99,100	29.1	2,887,900
Walsh	7,500	7,400	34.1	252,000	18,500	18,400	36.8	677,000
Northeast	346,200	344,200	33.0	11,359,500	333,800	331,800	31.0	10,290,500
Dunn	4,900	4,700	20.2	95,100	1,600	1,600	17.4	27,900
McKenzie	47,600	46,300	22.6	1,047,100	8,400	8,200	18.5	151,900
McLean	130,300	129,000	22.1	2,852,100	64,200	63,500	15.3	971,900
Mercer	8,800	8,700	26.3	229,000	3,700	3,500	16.6	58,000
Oliver	---	---	---	---	---	---	---	---
West Central	191,600	188,700	22.4	4,223,300	77,900	76,800	15.8	1,209,700
Eddy	6,000	5,900	25.6	150,800	9,000	8,800	24.6	216,200
Foster	3,200	3,200	30.2	96,500	5,800	5,500	25.2	138,500
Kidder	2,800	2,700	29.5	79,600	4,200	4,000	21.1	84,400
Sheridan	3,000	3,000	23.5	70,500	3,000	2,900	20.5	59,500
Stutsman	29,400	29,400	34.9	1,025,500	45,600	45,100	27.9	1,258,500
Wells	34,900	34,600	31.0	1,073,400	33,100	32,900	24.8	816,600
Central	79,300	78,800	31.7	2,496,300	100,700	99,200	25.9	2,573,700
Barnes	3,800	3,700	37.2	137,500	11,200	11,100	29.6	328,500
Cass	4,800	4,800	38.5	185,000	29,200	29,000	43.4	1,258,000
Griggs	5,500	5,400	32.2	174,100	6,400	6,300	27.9	175,900
Steele	1,700	1,700	34.2	58,200	6,200	6,100	26.5	161,800
Traill	2,700	2,700	35.0	94,500	8,300	8,000	37.7	301,500
East Central	18,500	18,300	35.5	649,300	61,300	60,500	36.8	2,225,700
Adams	2,900	2,900	31.0	89,900	1,100	1,100	27.4	30,100
Billings	---	---	---	---	---	---	---	---
Bowman	14,100	13,800	29.9	412,200	2,900	2,800	18.9	52,800
Golden Valley	15,300	15,200	28.4	431,800	1,700	1,700	24.2	41,200
Hettinger	23,300	21,800	25.7	559,400	7,700	7,200	23.1	166,600
Slope	12,000	11,800	33.6	396,900	4,000	3,900	29.0	113,100
Stark	13,200	13,000	29.5	383,700	1,800	1,800	21.3	38,300
Southwest	80,800	78,500	29.0	2,273,900	19,200	18,500	23.9	442,100
Burleigh	5,800	5,800	29.1	169,000	7,200	6,700	25.2	169,000
Emmons	1,800	1,800	19.6	35,200	3,200	3,200	21.8	69,800
Grant	2,500	2,400	24.0	57,600	2,000	2,000	26.2	52,400
Morton	2,800	2,700	30.4	82,200	2,200	2,200	21.7	47,800
Sioux	3,800	3,600	19.5	70,300	3,700	3,600	17.4	62,700
South Central	16,700	16,300	25.4	414,300	18,300	17,700	22.7	401,700
Dickey	5,100	4,400	23.7	104,100	7,500	7,400	18.5	136,700
LaMoure	8,900	8,800	30.5	268,000	15,800	15,800	24.6	389,000
Logan	3,800	3,800	29.2	111,100	6,200	6,000	23.2	138,900
McIntosh	3,300	3,300	25.4	83,800	5,700	5,300	19.1	101,200
Ransom	2,100	2,100	30.1	63,300	5,900	5,600	33.3	186,700
Richland	2,900	2,900	38.0	110,200	26,100	26,100	43.0	1,121,800
Sargent	5,300	5,300	36.0	190,900	25,700	25,500	27.8	709,100
Southeast	31,400	30,600	30.4	931,400	92,900	91,700	30.4	2,783,400
STATE	1,765,900	1,739,200	26.6	46,341,900	1,129,000	1,105,700	24.9	27,501,600

1/ See page 124 for irrigated acres.

DURUM WHEAT
North Dakota, 1986 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	47,700	46,400	35.0	1,626,000	7,300	7,100	27.2	193,000
Divide	143,000	140,200	34.5	4,835,500	5,800	5,700	29.2	166,300
Mountrail	135,600	133,900	38.2	5,115,900	39,400	39,100	37.2	1,453,100
Renville	48,600	48,200	35.2	1,694,700	16,400	16,300	32.5	530,300
Ward	116,300	116,300	37.6	4,370,000	93,700	92,700	32.8	3,042,000
Williams	80,600	78,600	33.9	2,664,800	3,300	3,300	31.1	102,500
Northwest	571,800	563,600	36.0	20,306,900	165,900	164,200	33.4	5,487,200
Benson	79,900	77,200	31.3	2,416,500	63,800	61,500	27.1	1,668,000
Bottineau	125,200	121,900	36.3	4,422,700	94,800	93,100	33.7	3,135,300
McHenry	15,300	13,800	30.9	426,100	15,700	13,200	30.1	397,900
Pierce	34,500	33,800	28.7	969,200	29,500	28,200	23.9	673,800
Rolette	55,300	53,400	34.6	1,849,900	54,700	52,600	30.3	1,595,100
North Central	310,200	300,100	33.6	10,084,400	258,500	248,600	30.0	7,470,100
Cavalier	58,700	53,600	32.3	1,730,800	61,300	58,400	29.8	1,741,200
Grand Forks	5,400	5,400	35.2	190,000	6,600	6,600	39.4	260,000
Nelson	38,200	37,300	30.5	1,136,400	40,800	39,700	28.6	1,135,600
Pembina	---	---	---	---	1,000	1,000	44.0	44,000
Ramsey	88,900	85,400	30.6	2,614,300	76,000	72,500	28.2	2,042,700
Towner	102,700	97,700	29.1	2,846,400	107,300	100,300	24.5	2,452,600
Walsh	13,100	12,900	33.2	428,000	19,900	19,100	25.3	484,000
Northeast	307,000	292,300	30.6	8,945,900	312,900	297,600	27.4	8,160,100
Dunn	4,400	4,000	30.7	122,600	1,100	500	24.8	12,400
McKenzie	39,600	38,400	35.6	1,366,300	6,400	5,600	23.2	129,700
McLean	102,500	100,900	35.5	3,580,900	61,500	61,100	29.6	1,811,100
Mercer	9,900	9,900	36.1	357,700	3,100	3,100	31.4	97,300
Oliver	---	---	---	---	500	500	32.0	16,000
West Central	156,400	153,200	35.4	5,427,500	72,600	70,800	29.2	2,066,500
Eddy	4,300	4,300	29.1	125,200	3,700	3,200	27.8	88,800
Foster	5,400	5,000	25.8	128,800	8,400	7,800	26.7	208,200
Kidder	2,200	2,000	30.3	60,500	5,800	5,000	14.5	72,500
Sheridan	4,700	4,200	31.2	131,000	1,300	1,300	26.2	34,000
Stutsman	27,000	25,100	31.9	800,800	67,900	63,800	29.2	1,862,200
Wells	20,500	19,600	32.7	641,400	18,500	18,400	30.2	555,600
Central	64,100	60,200	31.4	1,887,700	105,600	99,500	28.4	2,821,300
Barnes	2,300	2,100	35.3	74,200	14,700	13,400	30.9	413,800
Cass	5,600	4,800	29.8	143,000	18,800	16,600	32.8	545,000
Griggs	2,900	2,700	26.6	71,800	4,600	4,300	24.0	103,200
Steele	1,000	1,000	34.0	34,000	3,400	3,400	33.5	114,000
Traill	1,100	1,100	31.3	34,400	4,900	4,900	23.0	112,600
East Central	12,900	11,700	30.5	357,400	46,400	42,600	30.2	1,288,600
Adams	7,600	6,400	31.0	198,500	2,900	1,900	22.4	42,500
Billings	---	---	---	---	---	---	---	---
Bowman	16,400	16,000	29.8	477,200	4,100	4,000	28.2	112,800
Golden Valley	9,800	9,000	29.6	266,100	200	200	24.5	4,900
Hettinger	16,900	16,500	36.0	593,500	5,600	5,500	32.8	180,500
Slope	6,500	6,200	31.4	194,900	2,000	1,800	25.1	45,100
Stark	6,800	6,700	35.6	238,300	6,200	5,800	35.5	205,700
Southwest	64,000	60,800	32.4	1,968,500	21,000	19,200	30.8	591,500
Burleigh	5,100	5,100	34.9	177,900	4,900	4,900	23.9	117,100
Emmons	1,200	1,000	27.0	27,000	3,200	2,500	18.4	46,000
Grant	1,300	1,200	23.3	28,000	1,100	1,100	31.8	35,000
Morton	1,100	800	29.9	23,900	800	400	15.3	6,100
Sioux	3,400	3,200	22.2	70,900	2,900	2,800	15.4	43,100
South Central	12,100	11,300	29.0	327,700	12,900	11,700	21.1	247,300
Dickey	2,500	2,000	32.8	65,500	28,700	26,200	29.2	765,500
LaMoure	12,800	9,400	25.0	234,600	11,100	9,700	23.1	224,400
Logan	4,200	3,300	29.2	96,400	2,400	1,900	23.4	44,400
McIntosh	5,600	3,900	30.4	118,400	7,400	7,100	15.9	112,600
Ransom	800	700	28.4	19,900	3,000	2,800	30.4	85,100
Richland	900	800	34.4	27,500	7,600	7,100	30.1	213,500
Sargent	2,500	2,400	19.5	46,700	9,400	8,600	25.9	223,100
Southeast	29,300	22,500	27.1	609,000	69,600	63,400	26.3	1,668,600
STATE	1,527,800	1,475,700	33.8	49,915,000	1,065,400	1,017,600	29.3	29,801,200

1/ See page 125 for irrigated acres.

DURUM WHEAT
North Dakota, 1985 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	58,000	57,100	28.9	1,649,600	7,000	6,900	34.6	238,400
Divide	133,300	123,300	12.3	1,521,600	6,000	5,000	8.0	40,000
Mountrail	139,300	134,800	31.9	4,300,900	25,700	25,200	32.5	819,100
Renville	55,400	54,700	44.0	2,407,600	19,600	19,300	40.7	786,400
Ward	109,100	107,900	43.4	4,679,800	80,900	80,100	40.2	3,220,200
Williams	98,500	94,700	13.6	1,283,700	5,300	4,100	11.3	46,200
Northwest	593,600	572,500	27.7	15,843,200	144,500	140,600	36.6	5,150,300
Benson	88,000	86,900	36.0	3,125,200	71,700	70,800	29.6	2,097,300
Bottineau	121,500	119,600	43.9	5,245,300	58,500	57,400	42.8	2,454,700
McHenry	18,800	18,800	42.0	789,200	17,200	17,200	41.0	704,800
Pierce	38,800	38,800	36.9	1,430,400	30,200	30,200	29.2	881,600
Rolette	48,100	48,100	38.6	1,858,900	36,900	36,900	37.2	1,371,100
North Central	315,200	312,200	39.9	12,449,000	214,500	212,500	35.3	7,509,500
Cavalier	71,100	70,500	50.7	3,571,200	53,900	53,500	48.0	2,566,800
Grand Forks	4,600	4,600	49.1	225,700	11,400	11,400	50.4	574,300
Nelson	43,400	43,000	41.5	1,784,700	46,600	46,000	37.6	1,729,300
Pembina	200	200	40.5	8,100	1,800	1,800	44.4	79,900
Ramsey	66,900	66,400	43.5	2,886,900	73,100	72,600	36.8	2,673,100
Towner	84,400	83,200	42.3	3,517,200	115,600	113,800	39.2	4,459,800
Walsh	16,900	14,000	44.7	626,200	20,100	19,000	42.6	809,800
Northeast	287,500	281,900	44.8	12,620,000	322,500	318,100	40.5	12,893,000
Dunn	1,600	1,600	35.6	57,000	400	400	25.0	10,000
McKenzie	32,600	31,900	21.5	687,200	8,400	8,100	18.9	152,800
McLean	133,100	129,200	40.1	5,179,600	36,300	36,200	35.9	1,300,400
Mercer	13,400	13,400	41.7	559,200	2,600	2,600	37.2	96,800
Oliver	1,000	1,000	30.0	30,000	—	—	—	—
West Central	181,700	177,100	36.8	6,513,000	47,700	47,300	33.0	1,560,000
Eddy	10,300	10,300	32.2	331,900	9,700	9,700	30.7	298,100
Foster	4,500	4,500	43.0	193,500	16,300	16,300	34.0	554,500
Kidder	5,800	5,800	29.9	173,700	13,200	13,200	21.4	282,300
Sheridan	6,000	6,000	39.1	234,600	4,000	4,000	32.6	130,400
Stutsman	54,500	53,200	37.0	1,966,300	65,500	63,800	26.8	1,709,700
Wells	45,600	44,300	37.4	1,657,100	34,400	33,700	31.8	1,072,900
Central	126,700	124,100	36.7	4,557,100	143,100	140,700	28.8	4,047,900
Barnes	6,600	6,400	37.7	241,200	29,400	28,600	32.0	913,800
Cass	1,500	1,500	57.0	85,500	33,800	33,800	58.1	1,964,300
Griggs	5,200	5,200	44.6	232,000	6,800	6,800	40.9	278,000
Steele	1,300	1,300	52.9	68,800	6,700	6,700	44.1	295,200
Traill	900	900	56.2	50,600	4,100	4,100	57.2	234,400
East Central	15,500	15,300	44.3	678,100	80,800	80,000	46.1	3,685,700
Adams	13,900	13,900	27.9	388,200	1,100	1,100	15.3	16,800
Billings	500	500	20.0	10,000	—	—	—	—
Bowman	16,200	14,800	21.7	321,400	3,300	2,200	16.2	35,600
Golden Valley	15,100	12,900	19.4	250,800	4,900	4,600	14.0	64,200
Hettinger	17,500	17,200	37.2	640,000	9,500	9,300	30.9	287,000
Slope	9,200	9,200	25.4	233,300	3,800	3,800	15.7	59,700
Stark	10,000	9,700	31.6	306,800	5,000	4,800	19.2	92,200
Southwest	82,400	78,200	27.5	2,150,500	27,600	25,800	21.5	555,500
Burleigh	5,200	5,200	29.8	154,900	4,800	4,800	27.1	130,100
Emmons	2,200	2,200	26.2	57,700	2,800	2,800	16.2	45,300
Grant	600	600	29.0	17,400	2,400	2,400	18.2	43,600
Morton	1,200	1,200	33.8	40,500	2,800	2,500	15.0	37,500
Sioux	3,500	3,300	23.6	78,000	1,500	1,000	14.0	14,000
South Central	12,700	12,500	27.9	348,500	14,300	13,500	20.0	270,500
Dickey	7,300	7,200	35.0	252,100	14,700	14,300	33.5	478,900
LaMoure	16,900	16,600	33.2	550,600	25,700	25,000	27.7	693,100
Logan	9,600	9,600	28.4	272,200	6,400	6,400	25.0	159,800
McIntosh	9,700	9,700	26.9	261,300	9,300	9,300	20.0	185,700
Ransom	2,900	2,900	36.5	105,900	2,900	2,900	36.2	105,100
Richland	1,300	1,300	41.2	53,600	7,700	7,700	58.0	446,400
Sargent	3,700	3,600	45.3	163,100	16,300	15,900	40.1	636,900
Southeast	51,400	50,900	32.6	1,658,800	83,000	81,500	33.2	2,705,900
STATE	1,668,700	1,624,700	35.0	56,818,200	1,078,000	1,060,000	36.2	38,378,300

1/ See page 126 for irrigated acres.

DURUM WHEAT
North Dakota, 1984 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	60,000	60,000	24.2	1,454,000	5,000	5,000	21.2	106,000
Divide	141,000	139,400	14.9	2,077,000	8,400	8,000	13.5	107,600
Mountrail	155,000	152,500	21.8	3,324,000	20,000	19,500	23.6	460,000
Renville	61,000	61,000	31.5	1,923,000	19,000	19,000	25.1	477,000
Ward	142,000	140,500	28.6	4,022,000	67,900	67,400	25.1	1,693,500
Williams	106,000	105,000	14.4	1,514,700	13,100	11,100	12.1	134,500
Northwest	665,000	658,400	21.7	14,314,700	133,400	130,000	22.9	2,978,600
Benson	105,000	104,000	32.3	3,364,000	54,700	53,700	26.9	1,443,300
Bottineau	144,000	141,000	28.0	3,946,000	66,000	65,000	25.5	1,660,000
McHenry	29,000	29,000	28.7	833,000	10,900	10,900	22.3	243,000
Pierce	52,000	51,000	30.2	1,538,000	23,000	23,000	21.6	497,000
Rolette	63,000	61,000	30.5	1,863,000	32,000	31,000	28.9	897,000
North Central	393,000	386,000	29.9	11,544,000	186,600	183,600	25.8	4,740,300
Cavalier	84,000	83,000	39.2	3,253,000	46,000	45,000	34.4	1,547,000
Grand Forks	3,000	3,000	38.3	115,000	10,000	10,000	48.9	489,000
Nelson	54,000	53,500	38.7	2,073,000	32,000	31,500	35.4	1,115,000
Pembina	500	500	40.0	20,000	2,500	2,500	54.4	136,000
Ramsey	79,000	78,000	34.6	2,702,000	56,000	55,000	34.3	1,889,000
Towner	121,000	118,000	31.7	3,735,000	74,000	73,000	28.7	2,095,000
Walsh	16,000	16,000	40.8	653,000	22,000	21,000	53.5	1,123,000
Northeast	357,500	352,000	35.7	12,551,000	242,500	238,000	35.3	8,394,000
Dunn	6,000	6,000	31.8	191,000	1,000	1,000	26.0	26,000
McKenzie	41,000	39,700	23.6	935,000	5,900	5,200	13.8	72,000
McLean	121,000	119,300	27.4	3,269,000	23,800	23,500	22.0	517,000
Mercer	9,000	9,000	30.2	272,000	1,000	1,000	28.0	28,000
Oliver	700	700	31.4	22,000	300	300	26.7	8,000
West Central	177,700	174,700	26.8	4,689,000	32,000	31,000	21.0	651,000
Eddy	9,000	9,000	27.3	246,000	8,000	8,000	24.5	196,000
Foster	9,000	9,000	37.8	340,000	7,000	7,000	32.6	228,000
Kidder	12,000	12,000	25.2	302,000	11,000	11,000	24.8	273,000
Sheridan	6,000	6,000	25.0	150,000	4,000	4,000	22.5	90,000
Stutsman	70,000	69,000	36.4	2,510,000	40,000	39,000	29.8	1,162,000
Wells	49,000	48,500	31.8	1,543,000	25,000	24,500	30.2	741,000
Central	155,000	153,500	33.2	5,091,000	95,000	93,500	28.8	2,690,000
Barnes	10,000	10,000	44.2	442,000	18,000	18,000	37.9	683,000
Cass	5,000	5,000	50.8	254,000	16,200	16,200	50.6	820,000
Griggs	7,000	7,000	37.4	262,000	2,400	2,400	33.8	81,000
Steele	2,500	2,500	36.4	91,000	4,500	4,500	37.3	168,000
Traill	1,000	1,000	46.0	46,000	5,000	5,000	50.8	254,000
East Central	25,500	25,500	42.9	1,095,000	46,100	46,100	43.5	2,006,000
Adams	14,000	14,000	30.4	426,000	2,000	1,600	21.3	34,000
Billings	---	---	---	---	---	---	---	---
Bowman	16,000	15,600	31.3	489,000	4,000	4,000	19.8	79,000
Golden Valley	11,000	11,000	28.3	311,000	1,000	600	23.3	14,000
Hettinger	22,000	21,700	41.5	900,000	2,000	2,000	30.5	61,000
Slope	8,000	8,000	33.4	267,000	2,000	2,000	24.0	48,000
Stark	4,700	4,500	32.2	145,000	2,300	2,000	26.5	53,000
Southwest	75,700	74,800	33.9	2,538,000	13,300	12,200	23.7	289,000
Burleigh	4,000	4,000	25.3	101,000	1,500	1,500	24.0	36,000
Emmons	2,700	2,700	28.1	76,000	2,300	2,300	23.5	54,000
Grant	2,000	2,000	27.0	54,000	1,500	1,500	20.0	30,000
Morton	3,000	3,000	25.3	76,000	1,000	1,000	20.0	20,000
Sioux	4,000	4,000	34.3	137,000	1,000	1,000	25.0	25,000
South Central	15,700	15,700	28.3	444,000	7,300	7,300	22.6	165,000
Dickey	10,000	10,000	33.0	330,000	9,000	9,000	28.8	259,000
LaMoure	22,000	21,500	37.1	798,000	12,200	12,200	33.6	410,000
Logan	9,000	9,000	31.8	286,000	4,000	4,000	21.3	85,000
McIntosh	17,000	17,000	33.0	561,000	11,500	11,500	25.6	294,000
Ransom	3,000	3,000	42.3	127,000	1,800	1,800	32.2	58,000
Richland	2,000	2,000	43.0	86,000	8,000	8,000	40.5	324,000
Sargent	6,000	5,500	38.2	210,000	9,000	9,000	40.3	363,000
Southeast	69,000	68,000	35.3	2,398,000	55,500	55,500	32.3	1,793,000
STATE	1,934,100	1,908,600	28.6	54,664,700	811,700	797,200	29.7	23,706,900

1/ See page 127 for irrigated acres.

WINTER WHEAT
North Dakota, 1989 and 1988

District and County	1989				1988			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	---	---	---	---	1,000	400	9.5	3,800
Divide	1,000	700	18.6	13,000	2,200	1,600	14.0	22,400
Mountrail	---	---	---	---	3,300	2,300	15.0	34,500
Renville	---	---	---	---	---	---	---	---
Ward	400	300	19.0	5,700	1,500	1,300	11.0	14,300
Williams	1,100	700	24.3	17,000	9,000	6,500	9.0	58,500
Northwest	2,500	1,700	21.0	35,700	17,000	12,100	11.0	133,500
Benson	---	---	---	---	1,000	500	14.0	7,000
Bottineau	3,300	3,200	31.8	101,600	9,000	7,500	16.5	123,800
McHenry	---	---	---	---	2,000	1,500	8.0	12,000
Pierce	1,200	1,100	17.0	18,700	500	300	9.7	2,900
Rolette	---	---	---	---	---	---	---	---
North Central	4,500	4,300	28.0	120,300	12,500	9,800	14.9	145,700
Cavalier	2,000	1,900	23.5	44,700	3,500	3,300	22.0	72,600
Grand Forks	4,000	3,800	34.0	129,200	3,100	2,900	25.5	74,000
Nelson	6,500	5,300	25.1	132,800	700	600	30.5	18,300
Pembina	300	200	27.5	5,500	200	100	21.0	2,100
Ramsey	400	400	31.5	12,600	1,000	900	32.0	28,800
Towner	1,300	1,200	28.0	33,600	1,500	1,000	14.5	14,500
Walsh	---	---	---	---	---	---	---	---
Northeast	14,500	12,800	28.0	358,400	10,000	8,800	23.9	210,300
Dunn	---	---	---	---	3,700	1,400	6.5	9,100
McKenzie	800	400	22.5	9,000	7,500	3,600	11.0	39,600
McLean	---	---	---	---	4,400	2,500	7.5	18,800
Mercer	---	---	---	---	1,700	600	10.0	6,000
Oliver	---	---	---	---	200	100	10.0	1,000
West Central	800	400	22.5	9,000	17,500	8,200	9.1	74,500
Eddy	1,900	1,600	26.0	41,600	2,500	2,200	16.0	35,200
Foster	1,800	1,500	23.0	34,500	2,800	2,100	15.5	32,600
Kidder	---	---	---	---	500	400	6.0	2,400
Sheridan	---	---	---	---	1,800	1,500	7.5	11,300
Stutsman	3,000	2,600	20.0	51,900	4,400	3,200	16.5	52,800
Wells	300	200	25.0	5,000	5,000	2,800	12.5	35,000
Central	7,000	5,900	22.5	133,000	17,000	12,200	13.9	169,300
Barnes	4,300	3,100	22.5	69,800	5,000	3,800	16.5	62,700
Cass	8,700	8,400	33.7	283,300	6,300	5,600	26.5	148,400
Griggs	3,000	2,700	30.0	81,000	2,000	1,800	24.0	43,200
Steele	1,000	900	27.0	24,300	300	100	26.0	2,600
Traill	4,000	3,900	33.5	130,600	2,400	2,000	28.0	56,000
East Central	21,000	19,000	31.0	589,000	16,000	13,300	23.5	312,900
Adams	1,500	500	17.0	8,500	17,000	8,600	8.0	68,800
Billings	1,300	200	28.5	5,700	5,000	2,500	8.5	21,300
Bowman	2,500	1,000	19.0	19,000	13,500	9,500	8.5	80,800
Golden Valley	2,000	1,100	31.0	34,100	16,000	4,700	8.0	37,600
Hettinger	1,200	400	21.0	8,400	4,500	1,000	7.0	7,000
Slope	400	100	19.0	1,900	6,000	2,600	12.0	31,200
Stark	600	200	23.5	4,700	9,000	3,100	12.5	38,800
Southwest	9,500	3,500	23.5	82,300	71,000	32,000	8.9	285,500
Burleigh	400	200	13.0	2,600	6,000	1,000	5.0	5,000
Emmons	---	---	---	---	1,000	200	5.0	1,000
Grant	600	300	23.0	6,900	9,500	2,200	9.5	20,900
Morton	---	---	---	---	2,500	500	12.6	6,300
Sioux	200	---	---	---	3,000	200	5.0	1,000
South Central	1,200	500	19.0	9,500	22,000	4,100	8.3	34,200
Dickey	6,500	3,200	23.0	73,600	19,000	5,000	7.0	35,000
LaMoure	7,200	4,900	24.0	117,600	6,500	3,300	11.0	36,300
Logan	---	---	---	---	700	100	10.0	1,000
McIntosh	---	---	---	---	600	---	---	---
Ransom	9,500	8,900	37.5	333,800	13,000	7,600	12.5	95,000
Richland	2,300	2,300	38.0	87,400	1,700	1,100	19.5	21,500
Sargent	13,500	12,600	29.4	370,400	25,500	12,400	10.9	135,300
Southeast	39,000	31,900	30.8	982,800	67,000	29,500	11.0	324,100
STATE	100,000	80,000	29.0	2,320,000	250,000	130,000	13.0	1,690,000

NORTH DAKOTA TOTALS BY SPECIAL CROPPING PRACTICES

Summer Fallow	59,200	47,000	30.6	1,437,300	160,400	101,000	13.9	1,406,100
Cont. Cropping	40,800	33,000	26.7	882,700	89,600	29,000	9.8	283,900

June 1990

WINTER WHEAT
North Dakota, 1987 and 1986

District and County	1987				1986			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	1,200	1,200	25.0	30,000	4,000	2,700	29.5	79,700
Divide	4,300	4,100	26.0	106,600	8,000	7,800	27.0	210,600
Mountrail	1,500	1,400	21.5	30,100	5,000	4,500	30.5	137,300
Renville	—	—	—	—	2,500	2,400	27.5	66,000
Ward	1,900	1,700	29.6	50,300	2,500	2,400	30.0	72,000
Williams	6,600	6,300	24.0	151,000	28,000	25,200	23.1	581,400
Northwest	15,500	14,700	25.0	368,000	50,000	45,000	25.5	1,147,000
Benson	1,300	1,200	21.7	26,000	3,000	2,900	27.0	78,300
Bottineau	7,000	6,700	30.0	201,000	7,000	6,500	34.0	221,000
McHenry	4,000	3,700	22.4	83,000	6,000	5,800	27.1	157,200
Pierce	400	200	25.0	5,000	3,000	2,800	28.0	78,500
Rolette	800	700	22.9	16,000	1,000	1,000	35.0	35,000
North Central	13,500	12,500	26.5	331,000	20,000	19,000	30.0	570,000
Cavalier	300	300	41.7	12,500	500	500	30.0	15,000
Grand Forks	2,400	2,300	44.5	102,400	3,500	3,200	40.0	128,000
Nelson	800	700	35.0	24,500	3,000	2,600	25.9	67,400
Pembina	—	—	—	—	1,000	1,000	40.0	40,000
Ramsey	1,800	1,600	42.0	67,200	2,000	1,800	27.0	48,600
Towner	2,800	2,700	38.4	103,700	4,000	3,000	28.0	84,000
Walsh	1,900	1,800	41.5	74,700	1,000	900	30.0	27,000
Northeast	10,000	9,400	41.0	385,000	15,000	13,000	31.5	410,000
Dunn	1,600	1,200	32.5	39,000	6,500	6,500	28.0	182,000
McKenzie	6,200	5,900	29.5	174,100	10,500	9,500	21.2	201,400
McLean	7,000	6,700	29.0	194,000	15,000	14,100	31.5	444,000
Mercer	200	100	25.0	2,500	500	500	30.0	15,000
Oliver	1,000	900	21.6	19,400	2,500	2,400	34.0	81,600
West Central	16,000	14,800	29.0	429,000	35,000	33,000	28.0	924,000
Eddy	9,000	8,500	37.6	319,500	11,500	10,500	30.0	315,000
Foster	4,200	3,400	34.0	115,600	11,000	9,800	33.0	323,500
Kidder	700	600	28.0	16,800	2,000	1,800	20.0	36,000
Sheridan	400	400	35.0	14,000	6,000	5,500	21.0	115,500
Stutsman	2,700	2,500	28.0	70,000	29,500	27,400	28.0	768,000
Wells	4,500	4,100	31.0	127,100	20,000	18,000	29.0	522,000
Central	21,500	19,500	34.0	663,000	80,000	73,000	28.5	2,080,000
Barnes	4,500	3,900	40.0	156,000	30,000	28,000	34.5	966,000
Cass	6,200	5,800	46.4	269,100	10,000	9,400	39.0	366,600
Griggs	2,700	2,300	34.0	78,200	10,000	9,500	32.0	304,000
Steele	1,300	1,100	35.5	39,100	4,000	3,400	35.0	119,000
Traill	1,300	1,100	36.0	39,600	1,000	700	42.0	29,400
East Central	16,000	14,200	41.0	582,000	55,000	51,000	35.0	1,785,000
Adams	6,500	6,000	29.0	174,000	16,500	16,000	23.5	376,000
Billings	2,000	1,400	30.0	42,000	1,500	1,400	17.0	23,800
Bowman	5,700	5,400	30.0	[illegible]	7,000	6,800	17.0	115,500
Golden Valley	7,800	6,600	35.5	234,300	9,000	8,500	23.5	200,000
Hettinger	7,500	7,100	32.6	231,400	30,000	28,000	29.6	828,200
Slope	4,500	4,300	33.0	141,900	11,000	10,500	25.5	267,500
Stark	3,500	3,200	32.0	102,400	5,000	4,800	26.5	127,000
Southwest	37,500	34,000	32.0	1,088,000	80,000	76,000	25.5	1,938,000
Burleigh	1,500	1,400	26.0	36,400	6,000	5,200	32.0	166,500
Emmons	3,000	2,900	26.0	75,400	5,000	4,500	28.0	126,000
Grant	8,500	8,100	34.5	279,600	7,000	6,100	31.0	189,000
Morton	2,000	1,900	34.5	65,600	5,000	4,400	32.0	141,000
Sioux	3,000	2,200	25.0	55,000	2,000	1,800	26.9	48,500
South Central	18,000	16,500	31.0	512,000	25,000	22,000	30.5	671,000
Dickey	17,000	16,000	32.1	513,300	45,000	42,500	28.0	1,190,000
LaMoure	6,000	5,700	32.0	182,400	35,000	32,500	29.0	943,000
Logan	600	600	26.5	15,900	6,500	5,800	27.2	158,000
McIntosh	2,000	1,800	24.0	43,200	3,500	3,400	25.0	85,000
Ransom	9,900	9,500	33.5	318,300	17,000	15,000	33.0	495,000
Richland	1,500	1,400	30.0	42,000	3,000	2,800	35.0	98,000
Sargent	15,000	14,400	31.0	446,400	50,000	46,000	31.0	1,426,000
Southeast	52,000	49,400	31.6	1,562,000	160,000	148,000	29.7	4,395,000
STATE	200,000	185,000	32.0	5,920,000	520,000	480,000	29.0	13,920,000
NORTH DAKOTA TOTALS BY SPECIAL CROPPING PRACTICES								
Summer Fallow	109,800	102,700	34.1	3,504,100	223,500	208,700	30.5	6,356,200
Cont. Cropping	90,200	82,300	29.4	2,415,900	296,500	271,300	27.9	7,563,800

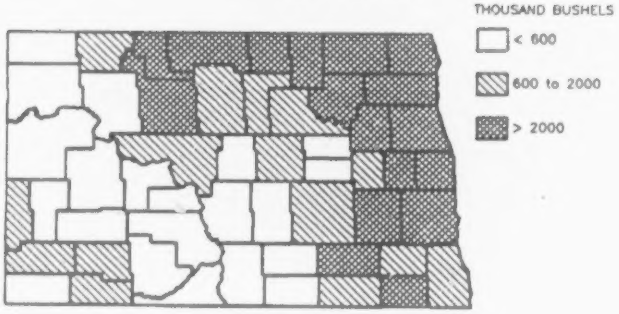
WINTER WHEAT
North Dakota, 1985 and 1984

District and County	1985				1984			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	11,000	3,500	14.5	50,800	10,000	5,500	26.0	143,000
Divide	6,000	3,500	15.0	52,500	3,000	2,800	28.0	78,400
Mountrail	8,500	5,500	33.5	184,300	4,000	3,200	28.0	89,600
Renville	10,000	7,000	43.5	304,500	3,500	3,000	37.0	111,000
Ward	21,500	11,500	35.2	404,900	10,500	9,600	34.0	326,400
Williams	13,000	7,000	15.0	105,000	4,000	3,000	17.0	51,000
Northwest	70,000	38,000	29.0	1,102,000	35,000	27,100	29.5	799,400
Benson	4,000	2,500	33.0	82,500	2,000	1,700	41.0	69,700
Bottineau	50,000	15,300	35.3	540,100	21,000	17,700	33.6	595,000
McHenry	13,000	8,000	29.0	232,000	5,000	4,900	30.0	147,000
Pierce	5,000	2,400	26.0	62,400	4,500	4,200	29.0	121,800
Rolette	3,000	800	32.5	26,000	2,500	2,500	42.0	105,000
North Central	75,000	29,000	32.5	943,000	35,000	31,000	33.5	1,038,500
Cavalier	5,000	3,800	46.0	174,800	4,000	3,900	48.5	189,200
Grand Forks	8,000	2,500	42.5	106,200	18,000	14,500	42.6	617,000
Nelson	6,000	2,600	36.3	94,400	4,000	3,400	39.0	132,600
Pembina	1,500	1,100	50.0	55,000	2,000	1,600	49.5	79,200
Ramsey	1,500	700	30.0	21,000	4,000	3,200	38.0	121,600
Towner	10,000	5,000	35.0	175,000	7,000	6,600	39.0	257,400
Walsh	6,000	2,300	48.5	111,600	3,000	2,600	41.0	106,600
Northeast	38,000	18,000	41.0	738,000	42,000	35,800	42.0	1,503,600
Dunn	8,000	5,300	35.0	185,500	4,000	3,800	33.4	126,800
McKenzie	17,000	6,400	14.0	89,600	8,000	6,700	21.5	144,100
McLean	19,000	14,900	39.6	589,900	6,500	5,800	31.5	182,700
Mercer	1,000	400	25.0	10,000	1,000	---	---	---
Oliver	5,000	4,000	24.0	96,000	1,500	1,400	30.0	42,000
West Central	50,000	31,000	31.3	971,000	21,000	17,700	28.0	495,600
Eddy	5,000	2,500	41.0	102,500	4,000	3,900	36.5	142,400
Foster	20,000	12,000	33.5	402,000	5,000	4,900	44.0	215,600
Kidder	3,000	2,500	21.0	52,500	2,000	2,000	32.5	64,900
Sheridan	12,000	4,800	31.0	148,800	4,500	4,100	36.5	149,700
Stutsman	40,000	28,500	33.0	941,900	27,500	24,900	41.2	1,024,700
Wells	10,000	3,700	29.0	107,300	12,000	10,700	39.5	422,700
Central	90,000	54,000	32.5	1,755,000	55,000	50,500	40.0	2,020,000
Barnes	54,000	30,000	37.2	1,117,400	48,500	44,600	44.0	1,962,400
Cass	36,000	19,200	48.0	921,600	58,500	56,000	51.3	2,871,200
Griggs	15,000	7,000	45.0	315,000	10,000	7,800	45.5	354,900
Steele	12,000	4,300	35.0	150,500	23,000	21,400	46.0	984,400
Traill	8,000	4,500	43.0	193,500	25,000	24,100	44.0	1,060,400
East Central	125,000	65,000	41.5	2,698,000	165,000	153,900	47.0	7,233,300
Adams	15,000	12,000	23.0	276,000	18,500	13,600	45.0	612,000
Billings	4,000	1,500	18.0	27,000	10,000	8,300	24.5	203,400
Bowman	10,500	8,700	19.5	169,700	18,000	17,300	29.5	510,400
Golden Valley	11,500	6,500	18.5	120,300	18,000	16,000	29.5	472,000
Hettinger	21,000	10,000	33.7	337,100	11,000	10,100	44.5	449,000
Slope	7,000	5,600	23.0	128,800	14,000	13,200	37.5	495,000
Stark	23,000	8,700	21.5	187,100	10,500	9,600	31.0	297,600
Southwest	92,000	53,000	23.5	1,246,000	100,000	88,100	34.5	3,039,400
Burleigh	8,000	7,000	24.7	173,100	5,000	4,200	27.2	114,300
Emmons	5,000	4,200	34.5	144,900	7,000	6,800	30.0	204,000
Grant	6,000	3,100	32.0	99,200	3,000	3,000	32.0	96,000
Morton	7,000	5,000	29.0	145,000	6,000	4,700	29.0	136,300
Sioux	4,000	2,700	24.0	64,800	16,000	8,300	34.5	286,400
South Central	30,000	22,000	28.5	627,000	37,000	27,000	31.0	837,000
Dickey	32,000	28,500	38.5	1,097,300	30,000	24,400	41.0	1,000,400
LaMoure	28,000	14,400	41.0	590,400	18,500	17,200	43.0	739,600
Logan	6,000	5,400	30.0	162,000	1,000	1,000	35.5	35,500
McIntosh	3,000	2,700	25.0	67,500	1,500	1,500	28.5	42,800
Ransom	23,000	11,000	42.5	467,500	19,000	18,000	46.5	837,000
Richland	15,000	12,000	42.0	504,000	15,000	14,500	44.0	638,000
Sargent	73,000	66,000	42.1	2,781,300	45,000	42,300	41.1	1,739,900
Southeast	180,000	140,000	40.5	5,670,000	130,000	118,900	42.3	5,033,200
STATE	750,000	450,000	35.0	15,750,000	620,000	550,000	40.0	22,000,000

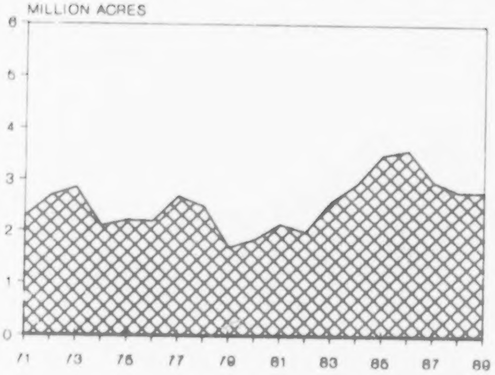
NORTH DAKOTA TOTALS BY SPECIAL CROPPING PRACTICES

Summer Fallow	363,300	170,300	37.4	6,368,800	451,000	400,200	40.6	16,264,200
Cont. Cropping	386,700	279,700	33.5	9,381,200	169,000	149,800	38.3	5,735,800

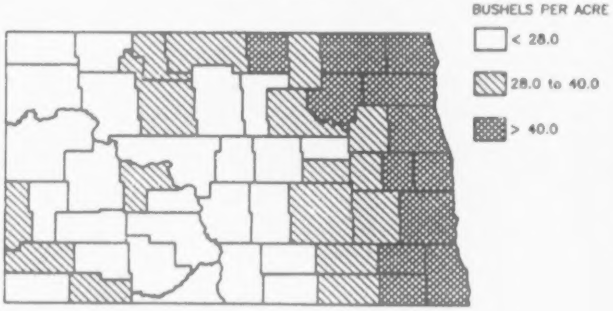
BARLEY



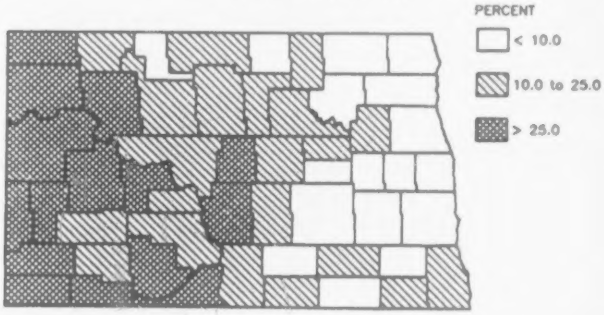
PRODUCTION
NORTH DAKOTA, 1989



PLANTED ACRES
NORTH DAKOTA, 1971 - 89



YIELD PER HARVESTED ACRE
NORTH DAKOTA, 1989



PERCENT ON SUMMERFALLOW
NORTH DAKOTA, 1989

North Dakota, 1980-89

Year	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
	(Acres)	(Acres)	(Bu.)	(Bu.)	($/Bu.)	(Dols.)	(Dols.)
1980	1,850,000	1,500,000	32.0	48,000,000	2.68	128,640,000	85.76
1981	2,150,000	2,100,000	48.0	100,800,000	2.20	221,760,000	105.60
1982	2,000,000	1,950,000	53.0	103,350,000	1.76	181,896,000	93.28
1983	2,600,000	2,520,000	45.5	114,660,000	2.20	252,252,000	100.10
1984	2,950,000	2,900,000	53.0	153,700,000	1.94	298,178,000	102.82
1985	3,500,000	3,350,000	55.0	184,250,000	1.60	294,800,000	88.00
1986	3,600,000	3,450,000	51.0	175,950,000	1.37	241,052,000	69.87
1987	3,000,000	2,900,000	48.0	139,200,000	1.70	236,640,000	81.60
1988	2,800,000	2,150,000	21.0	45,150,000	2.97	134,096,000	62.37
1989	2,800,000	2,650,000	37.0	98,050,000	2.15	210,808,000	79.55

BARLEY
North Dakota, 1989 and 1988

District and County	1989				1988			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	32,000	30,500	23.5	718,000	38,000	32,800	22.0	722,000
Divide	21,000	19,700	18.5	365,000	47,000	39,700	16.0	635,000
Mountrail	30,000	26,900	21.5	579,000	48,000	40,500	14.5	587,000
Renville	73,000	73,000	32.7	2,385,000	76,000	71,000	20.0	1,420,000
Ward	89,000	88,200	30.0	2,643,000	86,000	75,000	14.8	1,108,000
Williams	35,000	29,700	18.5	550,000	55,000	44,000	12.0	528,000
Northwest	280,000	268,000	27.0	7,240,000	350,000	303,000	16.5	5,000,000
Benson	75,000	64,500	29.0	1,870,000	65,000	35,500	12.0	426,000
Bottineau	131,000	130,500	38.0	4,964,000	130,000	120,000	20.0	2,395,000
McHenry	41,000	37,800	26.0	983,000	47,000	31,500	13.5	425,000
Pierce	47,000	39,700	26.5	1,053,000	46,000	31,500	13.0	409,000
Rolette	56,000	55,000	44.0	2,420,000	52,000	49,500	20.9	1,035,000
North Central	350,000	327,500	34.5	11,290,000	340,000	268,000	17.5	4,690,000
Cavalier	180,000	180,000	43.2	7,776,000	175,000	170,000	22.2	3,780,000
Grand Forks	140,000	140,000	49.0	6,860,000	135,000	131,000	37.0	4,847,000
Nelson	68,000	68,000	33.5	2,280,000	66,000	64,000	28.0	1,792,000
Pembina	83,000	82,600	59.0	4,875,000	78,000	68,500	23.0	1,578,000
Ramsey	100,000	99,900	41.0	4,095,000	93,000	85,000	20.0	1,700,000
Towner	95,000	95,000	38.0	3,610,000	86,000	81,300	18.5	1,504,000
Walsh	84,000	84,000	48.5	4,074,000	77,000	70,200	24.0	1,684,000
Northeast	750,000	749,500	44.8	33,570,000	710,000	670,000	25.2	16,885,000
Dunn	21,500	17,600	27.5	484,000	22,500	7,000	7.0	49,000
McKenzie	27,000	17,600	20.0	352,000	28,500	12,500	10.0	125,000
McLean	38,500	36,000	26.8	963,000	47,000	37,000	12.9	478,000
Mercer	8,500	7,500	30.0	225,000	10,000	3,000	10.0	30,000
Oliver	14,500	11,300	20.0	226,000	12,000	4,500	12.0	54,000
West Central	110,000	90,000	25.0	2,250,000	120,000	64,000	11.5	736,000
Eddy	12,000	10,600	26.0	276,000	14,500	12,800	16.5	211,000
Foster	16,000	15,400	29.0	447,000	17,000	15,400	18.0	277,000
Kidder	18,000	11,200	16.1	180,000	14,000	2,500	9.2	23,000
Sheridan	24,000	18,800	18.0	338,000	24,500	11,500	8.5	98,000
Stutsman	69,000	67,100	29.4	1,973,000	71,000	44,500	16.0	713,000
Wells	61,000	54,400	24.0	1,306,000	59,000	43,300	11.5	498,000
Central	200,000	177,500	25.5	4,520,000	200,000	130,000	14.0	1,820,000
Barnes	150,000	149,200	33.0	4,930,000	145,000	117,500	19.5	2,291,000
Cass	170,000	170,000	47.0	7,984,000	155,000	136,500	22.1	3,023,000
Griggs	60,000	56,300	31.5	1,775,000	57,000	54,800	25.5	1,400,000
Steele	87,000	86,500	42.5	3,676,000	83,000	78,800	34.0	2,679,000
Traill	113,000	113,000	48.5	5,485,000	100,000	97,400	40.5	3,945,000
East Central	580,000	575,000	41.5	23,850,000	540,000	485,000	27.5	13,338,000
Adams	21,500	21,500	28.5	613,000	21,500	8,500	9.1	77,000
Billings	6,000	5,500	27.1	149,000	7,000	3,000	6.0	18,000
Bowman	17,500	17,000	26.0	442,000	20,000	10,500	8.5	89,000
Golden Valley	17,000	15,900	40.0	636,000	15,000	6,000	9.5	57,000
Hettinger	27,000	26,000	27.0	702,000	31,000	18,500	12.5	232,000
Slope	19,000	19,000	34.5	656,000	22,500	14,000	11.5	161,000
Stark	27,000	20,100	18.0	362,000	33,000	14,500	8.0	116,000
Southwest	135,000	125,000	28.5	3,560,000	150,000	75,000	10.0	750,000
Burleigh	14,000	8,100	12.5	101,000	15,000	1,400	8.6	12,000
Emmons	28,000	17,100	13.5	231,000	26,000	2,700	6.3	17,000
Grant	30,000	18,700	16.5	309,000	33,000	8,500	10.5	89,000
Morton	48,000	31,000	18.1	560,000	50,000	13,500	10.8	146,000
Sioux	5,000	2,600	15.0	39,000	6,000	1,900	8.4	16,000
South Central	125,000	77,500	16.0	1,240,000	130,000	28,000	10.0	280,000
Dickey	44,000	43,500	34.3	1,494,000	42,000	17,400	11.0	192,000
LaMoure	55,000	54,800	40.0	2,192,000	52,000	24,700	11.0	272,000
Logan	25,000	18,100	22.0	399,000	24,000	2,900	8.3	24,000
McIntosh	22,000	20,000	22.0	440,000	24,000	2,000	6.5	13,000
Ransom	42,000	42,000	47.0	1,974,000	38,000	25,500	11.5	293,000
Richland	41,000	41,000	44.8	1,837,000	41,000	35,000	19.5	682,000
Sargent	41,000	40,600	54.0	2,194,000	39,000	19,500	9.0	175,000
Southeast	270,000	260,000	40.5	10,530,000	260,000	127,000	13.0	1,651,000
STATE	2,800,000	2,650,000	37.0	98,050,000	2,800,000	2,150,000	21.0	45,150,000

BARLEY
North Dakota, 1987 and 1986

District and County	1987 Acres Planted (Acres)	1987 Acres Harvested (Acres)	1987 Yield Per Harvested Acre (Bu.)	1987 Production (Bu.)	1986 Acres Planted (Acres)	1986 Acres Harvested (Acres)	1986 Yield Per Harvested Acre (Bu.)	1986 Production (Bu.)
Burke	47,000	46,000	35.5	1,633,000	60,000	53,500	48.0	2,568,000
Divide	49,000	46,100	40.7	1,875,000	65,000	60,000	43.0	2,580,000
Mountrail	54,000	50,500	30.5	1,540,000	70,000	68,200	50.0	3,410,000
Renville	77,000	75,400	31.5	2,375,000	90,000	89,200	51.0	4,549,000
Ward	110,000	103,500	30.5	3,156,000	125,000	123,500	54.1	6,678,000
Williams	63,000	61,500	33.5	2,060,000	80,000	76,600	43.0	3,294,000
Northwest	400,000	383,000	33.0	12,639,000	490,000	471,000	49.0	23,079,000
Benson	65,000	64,000	41.0	2,624,000	80,000	73,000	41.5	3,030,000
Bottineau	138,000	134,700	36.7	4,947,000	175,000	169,000	51.0	8,619,000
McHenry	54,000	51,500	35.0	1,803,000	80,000	78,500	50.5	3,965,000
Pierce	51,000	48,500	33.5	1,625,000	65,000	63,500	38.2	2,427,000
Rolette	52,000	50,300	41.5	2,088,000	60,000	57,000	51.0	2,907,000
North Central	360,000	349,000	37.5	13,087,000	460,000	441,000	47.5	20,948,000
Cavalier	175,000	173,000	60.8	10,511,000	200,000	194,500	56.0	10,892,000
Grand Forks	135,000	133,100	61.0	8,119,000	155,000	150,000	59.5	8,925,000
Nelson	73,000	70,700	54.5	3,853,000	80,000	79,000	53.0	4,187,000
Pembina	75,000	74,000	68.0	5,032,000	90,000	84,000	61.5	5,168,000
Ramsey	96,000	94,600	48.5	4,588,000	110,000	101,000	46.0	4,646,000
Towner	86,000	84,600	48.5	4,103,000	105,000	99,500	46.0	4,577,000
Walsh	90,000	89,000	62.5	5,562,000	100,000	99,000	60.5	5,990,000
Northeast	730,000	719,000	58.1	41,768,000	840,000	807,000	55.0	44,385,000
Dunn	29,000	27,200	35.5	966,000	30,000	27,000	42.0	1,134,000
McKenzie	27,000	24,400	36.0	879,000	35,000	30,500	43.5	1,327,000
McLean	60,000	59,000	36.9	2,175,000	94,000	91,000	50.5	4,595,000
Mercer	11,000	10,100	37.0	374,000	15,000	13,000	48.5	631,000
Oliver	13,000	12,300	37.5	461,000	16,000	15,500	46.5	721,000
West Central	140,000	133,000	36.5	4,855,000	190,000	177,000	47.5	8,408,000
Eddy	20,000	19,000	43.5	826,000	30,000	29,500	50.0	1,475,000
Foster	18,000	17,200	46.5	800,000	28,000	27,500	52.5	1,444,000
Kidder	19,000	18,200	42.5	773,000	27,000	26,500	39.5	1,047,000
Sheridan	28,000	27,000	41.0	1,107,000	35,000	34,500	44.0	1,518,000
Stutsman	83,000	81,000	49.3	3,994,000	125,000	118,000	54.1	6,383,000
Wells	62,000	57,600	45.5	2,620,000	75,000	74,000	47.0	3,478,000
Central	230,000	220,000	46.0	10,120,000	320,000	310,000	49.5	15,345,000
Barnes	135,000	132,700	55.5	7,365,000	145,000	142,500	59.0	8,408,000
Cass	170,000	167,500	62.3	10,430,000	170,000	168,500	59.6	10,045,000
Griggs	57,000	54,100	47.0	2,543,000	65,000	64,000	50.0	3,200,000
Steele	80,000	75,900	54.5	4,137,000	80,000	79,000	63.0	4,977,000
Traill	108,000	104,800	60.0	6,288,000	110,000	109,000	62.5	6,813,000
East Central	550,000	535,000	57.5	30,763,000	570,000	563,000	59.4	33,443,000
Adams	19,000	17,800	45.0	801,000	25,000	24,000	39.0	936,000
Billings	5,000	4,700	38.5	181,000	5,000	4,000	35.0	140,000
Bowman	26,000	23,500	41.0	964,000	26,000	22,500	34.5	776,000
Golden Valley	15,500	14,800	40.0	592,000	20,000	18,000	37.0	666,000
Hettinger	31,000	27,200	44.5	1,211,000	56,000	55,200	44.9	2,479,000
Slope	25,000	22,500	42.0	945,000	28,000	26,000	41.0	1,066,000
Stark	28,500	26,500	40.0	1,060,000	40,000	37,300	38.0	1,417,000
Southwest	150,000	137,000	42.0	5,754,000	200,000	187,000	40.0	7,480,000
Burleigh	23,000	21,400	39.5	845,000	35,000	32,800	43.0	1,410,000
Emmons	29,000	27,400	47.0	1,288,000	35,000	31,200	42.0	1,310,000
Grant	40,000	37,800	42.0	1,588,000	50,000	46,800	42.0	1,965,000
Morton	50,000	48,000	41.9	2,009,000	60,000	50,000	45.0	2,248,000
Sioux	8,000	6,400	30.0	192,000	10,000	9,200	41.0	377,000
South Central	150,000	141,000	42.0	5,922,000	190,000	170,000	43.0	7,310,000
Dickey	52,000	50,600	47.5	2,404,000	60,000	58,500	45.0	2,635,000
LaMoure	53,000	52,000	50.7	2,636,000	73,000	70,500	51.0	3,592,000
Logan	26,000	25,400	47.0	1,194,000	34,000	32,000	42.5	1,360,000
McIntosh	27,000	24,900	42.5	1,058,000	29,000	26,500	38.5	1,021,000
Ransom	40,000	39,400	51.5	2,029,000	45,000	43,500	51.0	2,220,000
Richland	52,000	51,300	58.5	3,001,000	55,000	52,000	53.0	2,756,000
Sargent	40,000	39,400	50.0	1,970,000	44,000	41,000	48.0	1,968,000
Southeast	290,000	283,000	50.5	14,292,000	340,000	324,000	48.0	15,552,000
STATE	3,000,000	2,900,000	48.0	139,200,000	3,600,000	3,450,000	51.0	175,950,000

BARLEY
North Dakota, 1985 and 1984

District and County	1985				1984			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	55,000	50,000	35.5	1,775,000	46,000	45,000	32.0	1,440,000
Divide	66,000	49,000	17.5	858,000	61,000	57,000	25.0	1,425,000
Mountrail	64,000	59,000	43.0	2,537,000	59,000	58,000	32.0	1,856,000
Renville	89,000	87,000	56.5	4,916,000	79,000	79,000	46.5	3,674,000
Ward	113,000	112,000	61.8	6,921,000	86,000	86,000	44.8	3,855,000
Williams	88,000	72,000	20.0	1,440,000	79,000	75,000	26.0	1,950,000
Northwest	475,000	429,000	43.0	18,447,000	410,000	400,000	35.5	14,200,000
Benson	80,000	80,000	47.5	3,800,000	63,000	63,000	45.0	2,835,000
Bottineau	171,000	171,000	59.5	10,168,000	145,000	143,000	40.1	5,740,000
McHenry	58,000	58,000	53.5	3,103,000	45,000	44,000	42.5	1,870,000
Pierce	60,000	60,000	44.5	2,670,000	46,000	46,000	40.0	1,840,000
Rolette	61,000	61,000	53.5	3,264,000	51,000	49,000	45.0	2,205,000
North Central	430,000	430,000	53.5	23,005,000	350,000	345,000	42.0	14,490,000
Cavalier	210,000	180,000	65.3	11,746,000	200,000	199,000	58.9	11,724,000
Grand Forks	160,000	160,000	67.0	10,720,000	145,000	142,000	66.0	9,372,000
Nelson	82,000	82,000	58.5	4,797,000	67,000	67,000	60.0	4,020,000
Pembina	94,000	94,000	73.0	6,862,000	90,000	89,000	73.0	6,497,000
Ramsey	110,000	109,000	55.0	5,995,000	93,000	91,000	54.5	4,960,000
Towner	110,000	104,000	55.0	5,720,000	105,000	103,000	45.5	4,687,000
Walsh	112,000	103,000	64.0	6,592,000	100,000	99,000	70.0	6,930,000
Northeast	878,000	832,000	63.0	52,432,000	800,000	790,000	61.0	48,190,000
Dunn	28,000	23,000	40.0	920,000	25,000	24,500	41.5	1,017,000
McKenzie	37,000	27,000	28.0	756,000	35,000	30,500	33.0	1,007,000
McLean	63,000	63,000	49.4	3,110,000	47,000	47,000	41.1	1,931,000
Mercer	15,000	14,000	57.5	805,000	12,000	12,000	40.0	480,000
Oliver	15,000	15,000	48.5	728,000	11,000	11,000	40.0	440,000
West Central	158,000	142,000	44.5	6,319,000	130,000	125,000	39.0	4,875,000
Eddy	24,000	23,000	47.0	1,081,000	17,000	17,000	43.5	740,000
Foster	20,000	20,000	51.0	1,020,000	16,000	16,000	55.0	880,000
Kidder	21,000	20,000	41.5	830,000	14,000	13,500	41.0	553,000
Sheridan	29,000	29,000	50.0	1,450,000	22,000	21,500	47.0	1,010,000
Stutsman	117,000	114,000	47.7	5,440,000	79,000	77,000	56.1	4,322,000
Wells	72,000	72,000	47.0	3,384,000	52,000	52,000	47.0	2,444,000
Central	283,000	278,000	47.5	13,205,000	200,000	197,000	50.5	9,949,000
Barnes	159,000	153,000	57.0	8,721,000	140,000	138,000	62.0	8,556,000
Cass	182,000	181,000	74.6	13,500,000	160,000	159,000	72.6	11,546,000
Griggs	69,000	68,000	60.5	4,114,000	55,000	55,000	61.0	3,355,000
Steele	96,000	96,000	65.0	6,240,000	85,000	84,000	65.0	5,460,000
Traill	113,000	113,000	74.0	8,362,000	110,000	109,000	69.5	7,576,000
East Central	619,000	611,000	67.0	40,937,000	550,000	545,000	67.0	36,493,000
Adams	26,000	24,000	37.3	895,000	18,000	17,500	50.0	875,000
Billings	6,000	3,000	20.0	60,000	5,000	4,500	27.6	124,000
Bowman	29,000	23,000	28.5	656,000	29,000	28,000	41.5	1,162,000
Golden Valley	22,000	18,000	27.5	495,000	18,000	16,500	34.0	561,000
Hettinger	45,000	45,000	39.5	1,778,000	38,000	37,500	46.7	1,753,000
Slope	28,000	25,000	34.5	863,000	25,000	25,000	45.0	1,125,000
Stark	32,000	29,000	35.0	1,015,000	27,000	26,000	38.0	988,000
Southwest	188,000	167,000	34.5	5,762,000	160,000	155,000	42.5	6,588,000
Burleigh	25,000	25,000	40.5	1,012,000	17,000	17,000	43.0	731,000
Emmons	25,000	24,000	40.5	972,000	21,000	20,500	52.0	1,066,000
Grant	36,000	33,000	44.0	1,452,000	31,000	28,500	41.5	1,183,000
Morton	53,000	52,000	45.8	2,382,000	42,000	41,000	44.0	1,803,000
Sioux	7,000	7,000	35.0	245,000	4,000	4,000	53.0	212,000
South Central	146,000	141,000	43.0	6,063,000	115,000	111,000	45.0	4,995,000
Dickey	55,000	55,000	52.0	2,860,000	40,000	39,500	62.0	2,449,000
LaMoure	60,000	58,000	51.5	2,987,000	39,000	39,000	61.5	2,399,000
Logan	33,000	33,000	45.0	1,485,000	25,000	24,000	55.5	1,332,000
McIntosh	27,000	27,000	36.0	972,000	17,000	16,500	49.5	817,000
Ransom	45,000	44,000	60.0	2,639,000	37,000	36,500	59.5	2,172,000
Richland	60,000	60,000	72.0	4,320,000	48,000	47,500	64.3	3,054,000
Sargent	43,000	43,000	65.5	2,817,000	29,000	29,000	58.5	1,697,000
Southeast	323,000	320,000	56.5	18,080,000	235,000	232,000	60.0	13,920,000
STATE	3,500,000	3,350,000	55.0	184,250,000	2,950,000	2,900,000	53.0	153,700,000

BARLEY
North Dakota, 1989 1/

District and County	Summer Fallow: Acres Planted	Summer Fallow: Acres Harvested	Summer Fallow: Yield Per Harvested Acre	Summer Fallow: Production	Continuous Cropping: Acres Planted	Continuous Cropping: Acres Harvested	Continuous Cropping: Yield Per Harvested Acre	Continuous Cropping: Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	8,000	7,200	25.1	180,800	24,000	23,300	23.1	537,200
Divide	14,700	14,200	20.3	288,600	6,300	5,500	13.9	76,400
Mountrail	9,900	9,200	22.3	205,400	20,100	17,700	21.1	373,600
Renville	6,900	6,900	32.4	223,500	66,100	66,100	32.7	2,161,500
Ward	14,300	14,100	31.6	445,100	74,700	74,100	29.7	2,197,900
Williams	22,800	21,800	18.3	397,900	12,100	7,800	18.7	145,500
Northwest	76,600	73,400	23.7	1,741,300	203,300	194,500	28.2	5,492,100
Benson	9,700	9,300	29.6	275,600	65,200	55,100	28.9	1,592,400
Bottineau	19,800	19,600	38.6	757,500	111,200	110,900	37.9	4,206,500
McHenry	7,400	6,200	20.0	123,800	33,600	31,600	27.2	859,200
Pierce	10,500	9,000	23.3	209,600	36,500	30,700	27.5	843,400
Rolette	2,900	2,900	51.3	148,700	53,000	52,000	43.6	2,265,800
North Central	50,300	47,000	32.2	1,515,200	299,500	280,300	34.8	9,767,300
Cavalier	13,300	13,300	37.9	504,600	166,700	166,700	43.6	7,271,400
Grand Forks	10,100	10,100	50.1	506,000	129,600	129,600	48.9	6,334,500
Nelson	7,800	7,800	44.1	344,200	60,200	60,200	32.2	1,935,800
Pembina	3,900	3,500	43.0	150,400	79,100	79,100	59.7	4,724,600
Ramsey	9,900	9,900	38.5	381,500	90,100	90,000	41.3	3,713,500
Towner	9,700	9,700	31.1	302,100	85,300	85,300	38.8	3,307,900
Walsh	4,100	4,100	51.7	211,900	79,900	79,900	48.3	3,862,100
Northeast	58,800	58,400	41.1	2,400,700	690,900	690,800	45.1	31,149,800
Dunn	6,300	4,300	33.1	142,400	15,100	13,200	25.5	336,600
McKenzie	12,500	10,200	19.7	201,100	14,100	7,000	16.5	115,500
McLean	4,500	4,000	38.3	153,300	33,800	31,800	25.0	795,700
Mercer	2,600	2,500	33.2	82,900	5,900	5,000	28.4	142,100
Oliver	3,600	3,200	39.6	126,800	10,700	8,100	12.2	99,200
West Central	29,500	24,200	29.2	706,500	79,600	65,100	22.9	1,489,100
Eddy	1,200	1,200	26.4	31,700	10,500	9,100	24.9	226,400
Foster	600	600	21.7	13,000	15,300	14,700	29.1	427,100
Kidder	2,200	1,300	37.2	48,400	15,800	9,900	13.3	131,600
Sheridan	9,600	7,600	16.8	127,400	14,400	11,200	18.8	210,600
Stutsman	3,400	3,400	32.1	109,100	65,600	63,700	29.3	1,863,900
Wells	10,400	9,200	23.3	214,500	50,600	45,200	24.1	1,091,500
Central	27,400	23,300	23.4	544,100	172,200	153,800	25.7	3,951,100
Barnes	4,700	4,500	36.6	164,700	145,200	144,600	32.9	4,757,500
Cass	9,200	9,200	47.9	441,100	160,800	160,800	46.9	7,542,900
Griggs	4,100	3,700	27.9	103,400	55,600	52,300	31.6	1,654,400
Steele	3,100	3,100	45.4	140,700	83,900	83,400	42.4	3,535,300
Traill	2,800	2,800	50.6	141,800	110,200	110,200	48.5	5,343,200
East Central	23,900	23,300	42.6	991,700	555,700	551,300	41.4	22,833,300
Adams	6,400	6,400	33.2	212,300	15,100	15,100	26.5	400,700
Billings	1,700	1,600	21.3	34,000	4,300	3,900	29.5	115,000
Bowman	10,600	10,400	22.2	230,600	6,700	6,600	32.0	211,400
Golden Valley	7,500	7,400	43.3	320,700	9,200	8,200	36.3	297,300
Hettinger	3,800	3,800	25.6	97,200	23,200	22,200	27.2	604,800
Slope	6,500	6,500	38.1	247,600	12,500	12,500	32.7	408,400
Stark	4,400	2,100	23.3	49,000	22,600	18,000	17.4	313,000
Southwest	40,900	38,200	31.2	1,191,400	93,600	86,500	27.2	2,350,600
Burleigh	6,100	4,000	13.8	55,100	7,900	4,100	11.2	45,900
Emmons	6,800	5,100	13.3	67,800	21,200	12,000	13.6	163,200
Grant	8,000	5,200	17.3	89,700	21,900	13,400	15.9	212,700
Morton	11,800	8,900	23.4	208,600	36,100	22,000	15.7	344,600
Sioux	1,500	800	22.1	17,700	3,500	1,800	11.8	21,300
South Central	34,200	24,000	18.3	438,900	90,600	53,300	14.8	787,700
Dickey	3,000	3,000	31.0	92,900	40,900	40,400	34.5	1,393,300
LaMoure	9,000	9,000	46.3	416,800	46,000	45,800	38.8	1,775,200
Logan	1,400	1,000	33.7	33,700	23,500	17,000	21.1	358,800
McIntosh	2,900	2,900	26.7	77,300	19,100	17,100	21.2	362,700
Ransom	3,500	3,500	37.3	130,500	38,500	38,500	47.9	1,843,500
Richland	5,300	5,300	49.9	264,400	35,700	35,700	44.1	1,572,600
Sargent	4,100	4,100	65.1	267,100	36,900	36,500	52.8	1,926,900
Southeast	29,200	28,800	44.5	1,282,700	240,600	231,000	40.0	9,233,000
STATE	370,800	340,600	31.7	10,812,500	2,426,000	2,306,600	37.7	87,054,000

1/ See page 122 for irrigated acres.

BARLEY
North Dakota, 1988 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	13,300	12,100	26.0	314,600	24,700	20,700	19.7	407,400
Divide	27,200	24,700	16.8	414,300	19,800	15,000	14.7	220,700
Mountrail	23,000	19,800	16.5	327,100	25,000	20,700	12.6	259,900
Renville	9,000	8,700	27.3	237,900	67,000	62,300	19.0	1,182,100
Ward	17,200	15,200	17.7	269,100	68,800	59,800	14.0	838,900
Williams	44,000	39,300	12.3	484,200	10,700	4,500	8.5	38,200
Northwest	133,700	119,800	17.1	2,047,200	216,000	183,000	16.1	2,947,200
Benson	10,800	9,600	13.4	129,100	54,000	25,700	11.1	285,900
Bottineau	15,100	14,000	25.5	356,300	114,800	105,900	19.2	2,033,700
McHenry	6,200	3,200	15.0	48,000	40,600	28,100	13.1	369,000
Pierce	7,700	6,600	16.0	105,600	38,200	24,800	12.0	298,400
Rolette	4,600	4,400	22.3	97,900	47,300	45,000	20.7	931,600
North Central	44,400	37,800	19.5	736,900	294,900	229,500	17.1	3,918,600
Cavalier	16,300	16,000	28.4	455,100	158,700	154,000	21.6	3,324,900
Grand Forks	8,000	7,700	45.8	352,700	127,000	123,300	36.5	4,494,300
Nelson	8,400	8,200	30.0	246,100	57,600	55,800	27.7	1,545,900
Pembina	3,400	2,800	28.5	79,700	74,600	65,700	22.8	1,498,300
Ramsey	7,200	6,800	28.2	191,500	85,800	78,200	19.3	1,508,500
Towner	9,500	9,100	18.8	170,700	76,500	72,200	18.5	1,333,300
Walsh	3,900	3,800	25.8	98,000	73,100	66,400	23.9	1,586,000
Northeast	56,700	54,400	29.3	1,593,800	653,300	615,600	24.8	15,291,200
Dunn	6,700	3,300	6.7	22,000	15,700	3,600	6.7	24,000
McKenzie	19,000	11,200	8.9	99,700	8,800	800	10.6	8,500
McLean	8,200	7,300	18.2	132,500	38,600	29,500	11.5	338,500
Mercer	4,000	2,100	9.3	19,600	5,900	800	9.0	7,200
Oliver	2,500	1,400	11.9	16,700	9,500	3,100	12.0	37,300
West Central	40,400	25,300	11.5	290,500	78,500	37,800	11.0	415,500
Eddy	2,200	1,900	14.1	26,700	12,000	10,600	15.8	167,800
Foster	1,100	800	17.5	14,000	15,700	14,400	17.4	251,000
Kidder	2,900	1,400	11.4	15,900	11,100	1,100	6.5	7,100
Sheridan	3,400	2,600	10.9	28,300	21,100	8,900	7.8	69,700
Stutsman	3,800	2,200	20.5	45,100	67,000	42,200	15.8	665,300
Wells	8,100	6,900	11.3	78,200	50,900	36,400	11.5	419,800
Central	21,500	15,800	13.2	208,200	177,800	113,600	13.9	1,580,700
Barnes	6,700	5,500	20.0	110,200	138,300	112,000	19.5	2,180,800
Cass	9,100	7,100	24.7	175,500	145,600	129,100	21.9	2,829,500
Griggs	3,800	3,700	23.1	85,600	52,700	50,600	25.4	1,285,800
Steele	6,600	6,200	34.4	213,500	76,400	72,600	34.0	2,465,500
Traill	2,600	2,600	47.8	124,200	97,400	94,800	40.3	3,820,800
East Central	28,800	25,100	28.2	709,000	510,400	459,100	27.4	12,582,400
Adams	9,900	6,300	10.1	63,700	11,600	2,200	6.0	13,300
Billings	3,400	1,800	6.8	12,300	3,600	1,200	4.8	5,700
Bowman	12,100	5,800	8.6	50,100	7,800	4,600	7.7	35,400
Golden Valley	9,000	5,200	9.6	50,100	6,000	800	8.6	6,900
Hettinger	10,200	6,100	17.5	106,500	20,600	12,200	9.7	118,500
Slope	10,100	7,200	17.2	124,000	12,400	6,800	5.4	37,000
Stark	7,700	4,200	13.1	54,900	25,300	10,300	5.9	61,100
Southwest	62,400	36,600	12.6	461,600	87,300	38,100	7.3	277,900
Burleigh	5,000	500	9.0	4,500	10,000	900	8.3	7,500
Emmons	4,800	400	6.5	2,600	20,800	2,100	4.5	9,400
Grant	8,300	4,300	11.6	49,900	24,600	4,100	8.8	36,100
Morton	12,000	4,000	14.2	56,600	37,800	9,400	9.2	86,900
Sioux	2,100	1,400	9.2	12,900	3,900	500	6.2	3,100
South Central	32,200	10,600	11.9	126,500	97,100	17,000	8.4	143,000
Dickey	5,200	4,200	15.8	66,500	36,400	12,800	8.1	104,200
LaMoure	6,500	3,700	16.4	60,700	45,500	21,000	10.1	211,300
Logan	4,400	1,100	3.4	3,700	19,300	1,500	2.5	3,800
McIntosh	3,500	700	7.3	5,100	20,500	1,300	6.1	7,900
Ransom	2,400	1,800	19.7	35,500	35,600	23,700	10.9	257,500
Richland	3,200	3,100	27.7	85,800	37,800	31,900	18.7	596,200
Sargent	4,400	2,700	13.6	36,800	34,600	16,800	8.2	138,200
Southeast	29,600	17,300	17.0	294,100	229,700	109,000	12.1	1,319,100
STATE	449,700	342,700	18.9	6,467,800	2,345,000	1,802,700	21.3	38,475,600

1/ See page 123 for irrigated acres.

BARLEY
North Dakota, 1987 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	15,800	15,300	36.8	563,300	31,200	30,700	34.8	1,069,700
Divide	36,600	35,300	42.5	1,498,700	12,400	10,800	34.8	376,300
Mountrail	22,000	20,800	32.9	684,500	32,000	29,700	28.8	855,500
Renville	14,000	13,700	35.6	487,400	63,000	61,700	30.6	1,887,600
Ward	16,100	15,500	37.4	579,500	93,700	87,800	29.2	2,565,500
Williams	51,200	50,000	34.9	1,746,600	11,500	11,200	26.4	295,400
Northwest	155,700	150,600	36.9	5,560,000	243,800	231,900	30.4	7,050,000
Benson	7,100	7,000	39.7	277,700	57,700	56,800	41.1	2,332,300
Bottineau	14,400	14,200	37.3	529,400	123,600	120,500	36.7	4,417,600
McHenry	6,300	6,300	41.1	258,900	47,700	45,200	34.2	1,544,100
Pierce	6,800	6,700	31.9	213,400	44,200	41,800	33.8	1,411,600
Rolette	5,400	5,200	43.1	224,200	46,500	45,000	41.3	1,857,300
North Central	40,000	39,400	38.2	1,503,600	319,700	309,300	37.4	11,562,900
Cavalier	16,100	15,900	61.9	984,500	158,900	157,100	60.6	9,526,500
Grand Forks	4,700	4,700	54.1	254,100	130,200	128,300	61.3	7,858,400
Nelson	5,300	5,100	45.6	232,400	67,700	65,600	55.2	3,620,600
Pembina	3,200	3,200	72.4	231,700	71,800	70,800	67.8	4,800,300
Ramsey	8,000	7,800	48.9	381,100	88,000	86,800	48.5	4,206,900
Towner	4,500	4,400	47.2	207,600	81,500	80,200	48.6	3,895,400
Walsh	3,700	3,700	66.5	246,200	86,300	85,300	62.3	5,315,800
Northeast	45,500	44,800	56.6	2,537,600	684,400	674,100	58.2	39,223,900
Dunn	6,400	6,400	41.9	267,900	22,600	20,800	33.6	698,100
McKenzie	17,300	15,600	37.3	582,100	9,000	8,100	29.5	239,000
McLean	8,800	8,500	42.8	363,800	50,900	50,200	35.5	1,784,200
Mercer	2,500	2,300	52.5	120,800	8.400	7,700	31.8	245,200
Oliver	3,900	3,900	43.8	170,800	9,000	8,300	34.0	282,200
West Central	38,900	36,700	41.0	1,505,400	99,900	95,100	34.2	3,248,700
Eddy	1,900	1,800	47.7	85,800	17,900	17,000	42.7	725,200
Foster	1,600	1,600	44.3	70,900	16,400	15,600	46.7	729,100
Kidder	2,800	2,600	46.1	119,900	16,000	15,400	41.6	640,100
Sheridan	3,800	3,700	49.4	182,700	24,200	23,300	39.7	924,300
Stutsman	6,100	5,900	45.5	268,600	76,800	75,000	49.6	3,717,900
Wells	5,000	4,600	48.3	222,400	57,000	53,000	45.2	2,397,600
Central	21,200	20,200	47.0	950,300	208,300	199,300	45.8	9,134,200
Barnes	6,300	6,200	65.0	402,900	128,500	126,300	55.0	6,950,100
Cass	3,900	3,900	56.9	221,800	165,900	163,400	62.4	10,194,200
Griggs	2,200	2,200	51.5	113,300	54,300	51,400	46.6	2,397,200
Steele	2,500	2,500	55.5	138,700	77,500	73,400	54.5	3,998,300
Traill	2,200	2,200	55.9	122,900	105,800	102,600	60.1	6,165,100
East Central	17,100	17,000	58.8	999,600	532,000	517,100	57.4	29,704,900
Adams	6,800	6,300	54.1	340,700	12,200	11,500	40.0	460,300
Billings	3,800	3,500	40.9	143,300	1,200	1,200	31.4	37,700
Bowman	15,800	14,000	42.3	591,700	10,200	9,500	39.2	372,300
Golden Valley	7,100	6,900	39.2	270,800	8,100	7,600	39.4	299,600
Hettinger	5,300	4,600	42.6	196,100	25,700	22,600	44.9	1,014,900
Slope	13,000	12,200	45.7	557,700	12,000	10,300	37.6	387,300
Stark	5,400	5,000	44.8	223,800	23,100	21,500	38.9	836,200
Southwest	57,200	52,500	44.3	2,324,100	92,500	84,200	40.5	3,408,300
Burleigh	3,200	3,100	43.5	134,800	19,700	18,200	33.6	702,800
Emmons	4,200	4,100	59.8	245,000	24,300	22,800	44.2	1,008,000
Grant	8,600	8,500	44.7	379,600	31,200	29,100	41.1	1,195,400
Morton	8,500	8,400	57.8	485,500	41,200	39,300	38.2	1,503,100
Sioux	2,800	2,400	31.0	74,500	5,100	3,900	28.8	112,500
South Central	27,300	26,500	49.8	1,319,400	121,500	113,300	39.9	4,521,800
Dickey	5,500	5,500	55.6	305,800	46,200	44,800	46.3	2,074,200
LaMoure	7,000	6,900	57.1	393,700	45,900	45,000	49.7	2,234,800
Logan	4,700	4,600	52.5	241,500	21,000	20,500	45.5	932,900
McIntosh	3,800	3,600	46.3	166,600	23,200	21,300	41.8	891,400
Ransom	2,200	2,200	52.3	115,100	37,700	37,100	51.4	1,906,400
Richland	2,200	2,100	70.5	148,000	49,800	49,200	58.0	2,853,000
Sargent	2,300	2,300	55.3	127,200	37,600	37,000	49.6	1,834,800
Southeast	27,700	27,200	55.1	1,497,900	261,400	254,900	49.9	12,727,500
STATE	430,600	414,900	43.9	18,197,900	2,563,500	2,479,200	48.6	120,582,200

1/ See page 124 for irrigated acres.

BARLEY
North Dakota, 1986 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	19,800	19,000	48.2	915,700	40,200	34,500	47.9	1,652,300
Divide	41,000	39,700	44.5	1,765,400	24,000	20,300	40.1	814,600
Mountrail	21,300	20,400	52.6	1,072,700	48,700	47,800	48.9	2,337,300
Renville	11,700	11,600	49.9	578,700	78,300	77,600	51.2	3,970,300
Ward	19,500	19,400	50.3	976,000	105,300	103,900	54.8	5,691,000
Williams	56,600	56,100	46.1	2,583,900	23,100	20,200	34.1	689,400
Northwest	169,900	166,200	47.5	7,892,400	319,600	304,300	49.8	15,154,900
Benson	9,400	9,000	36.3	327,000	70,500	63,900	42.2	2,695,500
Bottineau	22,900	20,700	50.1	1,038,000	152,100	148,300	51.1	7,581,000
McHenry	5,100	5,000	47.1	235,400	74,800	73,400	50.7	3,722,100
Pierce	5,500	5,300	40.1	212,500	59,500	58,200	38.0	2,214,500
Rolette	6,900	6,800	42.8	291,300	53,000	50,100	52.1	2,608,700
North Central	49,800	46,800	45.0	2,104,200	409,900	393,900	47.8	18,821,800
Cavalier	7,600	7,600	60.6	460,200	192,400	186,900	55.8	10,431,800
Grand Forks	6,500	6,500	52.9	343,900	148,400	143,400	59.8	8,573,100
Nelson	9,300	8,700	47.1	409,600	70,700	70,300	53.7	3,777,400
Pembina	8,800	3,600	59.5	214,300	81,200	80,400	61.6	4,953,700
Ramsey	10,900	10,100	50.0	505,100	99,000	90,800	45.5	4,133,900
Towner	5,800	5,200	47.3	245,700	99,200	94,300	45.9	4,331,300
Walsh	3,400	3,400	54.2	184,300	96,600	95,600	60.7	5,805,700
Northeast	52,300	45,100	52.4	2,363,100	787,500	761,700	55.1	42,006,900
Dunn	6,500	6,300	36.5	230,000	23,500	20,700	43.7	904,000
McKenzie	21,400	19,200	43.5	834,500	12,200	10,000	37.9	378,600
McLean	16,800	15,900	46.4	738,100	77,000	74,900	51.3	3,840,900
Mercer	4,000	3,900	57.6	224,700	11,000	9,100	44.6	406,300
Oliver	3,900	3,900	58.5	228,000	11,400	11,000	42.1	463,000
West Central	52,600	49,200	45.8	2,255,300	135,100	125,700	47.7	5,992,800
Eddy	5,100	5,100	51.3	261,700	24,500	24,000	49.2	1,181,300
Foster	1,100	1,100	62.5	68,800	26,700	26,200	51.9	1,360,200
Kidder	3,200	3,200	49.9	159,600	23,500	23,000	37.7	867,900
Sheridan	4,500	4,400	54.3	238,800	30,500	30,100	42.5	1,279,200
Stutsman	2,900	2,800	49.6	139,000	122,100	115,200	54.2	6,244,000
Wells	6,700	6,700	50.7	339,500	68,300	67,300	46.6	3,138,500
Central	23,500	23,300	51.8	1,207,400	295,600	285,800	49.2	14,071,100
Barnes	6,200	6,100	56.5	344,700	138,800	136,400	59.1	8,063,300
Cass	10,400	10,200	56.9	580,000	159,600	158,300	59.8	9,465,000
Griggs	5,700	5,600	54.8	306,700	58,900	58,000	49.4	2,867,300
Steele	2,400	2,300	54.4	125,100	77,600	76,700	63.3	4,851,900
Traill	5,100	5,100	66.6	339,600	104,900	103,900	62.3	6,473,400
East Central	29,800	29,300	57.9	1,696,100	539,800	533,300	59.5	31,720,900
Adams	6,400	6,100	39.5	240,700	18,600	17,900	38.8	695,300
Billings	400	400	42.3	16,900	4,600	3,600	34.2	123,100
Bowman	18,000	15,800	33.5	529,400	8,000	6,700	36.8	246,600
Golden Valley	8,700	8,200	35.5	291,500	10,900	9,400	36.9	346,500
Hettinger	9,900	9,600	39.7	381,000	46,100	45,600	46.0	2,098,000
Slope	13,400	13,400	42.2	566,000	14,600	12,600	39.7	500,000
Stark	7,800	7,800	41.2	321,200	32,200	29,500	37.1	1,095,800
Southwest	64,600	61,300	38.3	2,346,700	135,000	125,300	40.7	5,105,300
Burleigh	3,300	3,200	53.6	171,500	31,200	29,100	41.4	1,203,500
Emmons	3,400	1,100	28.2	31,000	31,000	29,600	42.0	1,244,000
Grant	9,200	7,900	44.2	349,500	40,700	38,800	41.5	1,609,000
Morton	11,800	11,800	48.2	568,700	48,100	38,100	43.9	1,671,800
Sioux	500	300	41.0	12,300	9,500	8,900	41.0	364,700
South Central	28,200	24,300	46.6	1,133,000	160,500	144,500	42.2	6,093,000
Dickey	1,000	900	43.9	39,500	58,300	56,900	44.8	2,551,000
LaMoure	8,800	8,800	50.5	444,300	63,900	61,400	51.0	3,131,200
Logan	3,600	3,600	44.7	161,000	30,300	28,300	42.2	1,194,000
McIntosh	6,700	6,000	38.2	229,400	22,300	20,500	38.6	791,600
Ransom	1,500	1,300	47.6	61,900	43,200	41,900	51.1	2,140,100
Richland	400	400	38.3	15,300	54,600	51,600	53.1	2,740,700
Sargent	2,200	2,000	34.6	69,200	41,700	38,900	48.6	1,890,300
Southeast	24,200	23,000	44.4	1,020,600	314,300	299,500	48.2	14,438,900
STATE	494,900	468,500	47.0	22,018,800	3,097,300	2,974,000	51.6	153,405,600

1/ See page 125 for irrigated acres.

BARLEY
North Dakota, 1985 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	21,900	21,000	37.4	785,600	33,100	29,000	34.1	989,400
Divide	50,600	38,000	17.4	662,900	15,300	10,900	17.2	187,900
Mountrail	26,500	23,100	41.1	948,500	37,500	35,900	44.2	1,588,500
Renville	16,800	16,100	54.6	878,500	72,200	70,900	56.9	4,037,500
Ward	15,400	15,400	53.1	817,700	97,500	96,500	63.2	6,098,300
Williams	72,400	60,500	21.2	1,284,700	15,500	11,400	13.1	149,100
Northwest	203,600	174,100	30.9	5,377,900	271,100	254,600	51.3	13,050,700
Benson	11,000	11,000	49.9	549,300	68,900	68,900	47.1	3,242,700
Bottineau	25,100	25,100	59.0	1,481,800	145,900	145,900	59.5	8,686,200
McHenry	10,200	10,200	54.6	557,300	47,800	47,800	53.3	2,545,700
Pierce	9,700	9,700	43.3	420,100	50,300	50,300	44.7	2,249,900
Rolette	5,700	5,700	45.6	259,700	55,200	55,200	54.3	2,996,300
North Central	61,700	61,700	53.0	3,268,200	368,100	368,100	53.6	19,720,800
Cavalier	10,100	10,100	62.5	631,600	199,900	169,900	65.4	11,114,400
Grand Forks	10,100	10,100	56.2	567,900	149,900	149,900	67.7	10,152,100
Nelson	8,400	8,400	67.4	566,500	73,500	73,500	57.5	4,225,500
Pembina	4,900	4,900	67.1	328,700	89,100	89,100	73.3	6,533,300
Ramsey	9,900	9,500	53.5	508,600	100,100	99,500	55.1	5,486,400
Towner	10,900	10,700	52.7	563,400	99,100	93,300	55.3	5,156,600
Walsh	13,000	12,600	59.4	748,500	99,000	90,400	64.6	5,843,500
Northeast	67,300	66,300	59.1	3,915,200	810,600	765,600	63.4	48,511,800
Dunn	7,600	6,500	47.0	305,500	20,400	16,500	37.2	614,500
McKenzie	20,400	15,100	27.9	422,000	15,800	11,100	23.8	264,200
McLean	9,500	9,500	51.1	485,900	53,300	53,300	48.9	2,608,800
Mercer	3,100	2,800	62.8	175,800	11,900	11,200	56.2	629,200
Oliver	1,500	1,500	57.7	86,600	13,400	13,400	47.2	632,800
West Central	42,100	35,400	41.7	1,475,800	114,800	105,500	45.0	4,749,500
Eddy	3,600	3,500	49.6	173,700	20,200	19,300	46.2	891,300
Foster	800	800	56.9	45,500	19,000	19,000	50.4	958,500
Kidder	1,100	900	40.4	36,400	19,800	19,000	41.4	787,500
Sheridan	1,900	1,900	55.2	104,900	27,100	27,100	49.6	1,345,100
Stutsman	14,700	14,300	51.1	730,300	102,300	99,700	47.2	4,709,700
Wells	8,200	8,200	42.1	345,300	63,800	63,800	47.6	3,038,700
Central	30,300	29,600	48.5	1,436,100	252,200	247,900	47.3	11,730,800
Barnes	5,900	5,800	63.1	366,000	153,000	147,100	56.7	8,347,000
Cass	6,600	6,300	61.0	384,400	175,400	174,700	75.1	13,115,600
Griggs	2,600	2,500	66.1	165,200	65,800	64,900	60.0	3,894,800
Steele	6,300	6,300	63.9	402,400	89,700	89,700	65.1	5,837,600
Traill	4,500	4,500	77.7	349,500	108,500	108,500	73.8	8,012,500
East Central	25,900	25,400	65.6	1,667,500	592,400	584,900	67.0	39,207,500
Adams	8,800	8,200	42.0	344,400	17,200	15,800	34.8	550,600
Billings	1,100	900	26.4	23,800	4,900	2,100	17.2	36,200
Bowman	16,200	13,000	31.6	411,000	12,800	10,000	24.5	245,000
Golden Valley	6,500	5,700	28.3	161,400	15,500	12,300	27.1	333,600
Hettinger	11,900	11,900	37.1	441,700	33,100	33,100	40.4	1,336,300
Slope	12,600	11,800	40.8	481,500	15,400	13,200	28.9	381,500
Stark	7,700	6,500	42.4	275,800	24,300	22,500	32.9	739,200
Southwest	64,800	58,000	36.9	2,139,600	123,200	109,000	33.2	3,622,400
Burleigh	5,600	5,600	50.8	284,500	19,400	19,400	37.5	727,500
Emmons	1,300	1,200	53.2	63,800	23,600	22,700	39.7	900,200
Grant	9,000	8,800	54.1	476,000	26,900	24,100	40.2	968,500
Morton	9,800	9,600	55.5	532,700	43,100	42,300	43.5	1,841,800
Sioux	2,400	2,400	37.1	89,000	4,600	4,600	33.9	156,000
South Central	28,100	27,600	52.4	1,446,000	117,600	113,100	40.6	4,594,000
Dickey	5,200	5,200	55.7	289,400	49,400	49,400	51.3	2,532,200
LaMoure	4,900	4,900	42.4	207,900	55,100	53,100	52.3	2,779,100
Logan	6,400	6,400	46.2	295,500	26,500	26,500	44.6	1,181,500
McIntosh	6,100	6,100	33.7	205,600	20,900	20,900	36.7	766,400
Ransom	4,300	3,900	64.5	251,400	40,400	39,800	59.4	2,365,100
Richland	800	800	77.3	61,800	59,200	59,200	71.9	4,256,200
Sargent	4,100	4,100	77.0	315,600	38,900	38,900	64.3	2,501,400
Southeast	31,800	31,400	51.8	1,627,200	290,400	287,800	56.9	16,383,900
STATE	555,600	509,500	43.9	22,353,500	2,940,400	2,836,500	57.0	161,571,400

1/ See page 126 for irrigated acres.

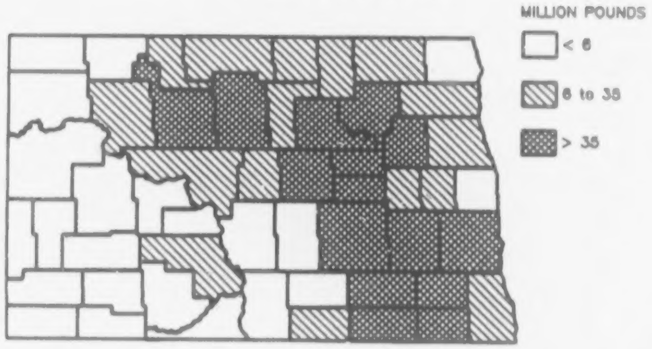
BARLEY
North Dakota, 1984 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	20,700	20,700	32.3	668,000	25,300	24,300	31.8	772,000
Divide	44,100	43,200	27.1	1,170,300	16,800	13,700	18.0	246,000
Mountrail	31,900	31,900	34.1	1,088,300	27,100	26,100	29.4	767,700
Renville	18,800	18,800	54.5	1,024,700	60,200	60,200	44.0	2,649,300
Ward	18,400	18,400	47.0	864,200	67,600	67,600	44.2	2,990,800
Williams	62,300	60,800	27.9	1,693,600	16,500	14,000	17.4	243,600
Northwest	196,200	193,800	33.6	6,509,100	213,500	205,900	37.2	7,669,400
Benson	17,700	17,700	43.6	772,400	45,100	45,100	45.3	2,044,000
Bottineau	26,100	26,100	38.6	1,007,400	118,900	116,900	40.5	4,732,600
McHenry	7,500	7,200	40.1	288,700	37,500	36,800	43.0	1,581,300
Pierce	13,300	13,300	39.9	530,100	32,700	32,700	40.1	1,309,900
Rolette	9,100	8,300	52.9	439,100	41,900	40,700	43.4	1,765,900
North Central	73,700	72,600	41.8	3,037,700	276,100	272,200	42.0	11,433,700
Cavalier	28,200	28,200	60.0	1,692,300	171,800	170,800	58.7	10,031,700
Grand Forks	11,900	11,200	59.1	662,000	133,100	130,800	66.6	8,710,000
Nelson	13,700	13,700	59.5	814,900	53,200	53,200	60.1	3,196,100
Pembina	9,000	8,500	68.0	577,700	81,000	80,500	73.5	5,919,300
Ramsey	10,300	10,300	53.0	546,000	82,700	80,700	54.7	4,414,000
Towner	17,700	17,200	49.2	846,300	87,300	85,800	44.8	3,840,700
Walsh	15,600	15,100	65.8	993,800	84,400	83,900	70.8	5,936,200
Northeast	106,400	104,200	58.9	6,133,000	693,500	685,700	61.3	42,048,000
Dunn	10,700	10,700	42.5	454,900	14,300	13,800	40.7	562,100
McKenzie	24,500	21,900	33.7	739,100	10,200	8,300	29.4	244,300
McLean	24,000	24,000	45.6	1,095,300	22,700	22,700	35.7	809,600
Mercer	5,800	5,800	43.4	251,600	6,100	6,100	36.3	221,400
Oliver	4,900	4,900	45.8	224,400	6,000	6,000	34.8	208,600
West Central	69,900	67,300	41.1	2,765,300	59,300	56,900	36.0	2,046,000
Eddy	5,000	5,000	41.8	208,900	11,700	11,700	42.8	501,100
Foster	4,400	4,400	59.5	261,900	11,500	11,500	52.9	608,100
Kidder	4,300	3,800	38.7	147,100	9,400	9,400	40.9	384,900
Sheridan	3,200	3,100	45.6	141,500	18,800	18,400	47.2	868,500
Stutsman	13,500	13,500	62.3	841,700	65,500	63,500	54.8	3,480,300
Wells	9,000	9,000	45.2	407,100	43,000	43,000	47.4	2,036,900
Central	39,400	38,800	51.8	2,008,200	159,900	157,500	50.0	7,879,800
Barnes	19,900	19,400	59.6	1,155,400	120,100	118,600	62.4	7,400,600
Cass	15,900	15,900	65.9	1,048,100	143,900	142,900	73.3	10,477,900
Griggs	9,500	9,500	56.9	540,500	45,500	45,500	61.9	2,814,500
Steele	9,900	9,900	64.0	633,200	75,100	74,100	65.1	4,826,800
Traill	5,900	5,900	60.9	359,500	104,100	103,100	70.0	7,216,500
East Central	61,100	60,600	61.7	3,736,700	488,700	484,200	67.6	32,736,300
Adams	8,300	8,300	55.4	459,800	9,700	9,200	45.1	415,200
Billings	2,900	2,900	29.4	85,300	2,100	1,600	24.2	38,700
Bowman	20,500	19,500	43.9	855,300	8,500	8,500	36.1	306,700
Golden Valley	12,100	10,800	34.0	367,100	5,700	5,500	32.3	177,900
Hettinger	18,400	18,100	52.1	943,900	19,600	19,400	41.7	809,100
Slope	16,600	16,600	45.5	755,400	8,400	8,400	44.0	369,600
Stark	14,900	14,600	40.0	583,500	12,100	11,400	35.5	404,500
Southwest	93,700	90,800	44.6	4,050,300	66,100	64,000	39.4	2,521,700
Burleigh	5,100	5,100	48.5	247,300	11,900	11,900	40.6	483,700
Emmons	3,500	3,500	52.9	185,300	17,400	16,900	51.6	872,700
Grant	12,400	11,700	50.6	591,500	18,600	16,800	35.2	591,500
Morton	19,300	18,800	48.9	919,200	22,600	22,100	39.6	875,800
Sioux	1,600	1,600	68.2	109,100	2,400	2,400	42.9	102,900
South Central	41,900	40,700	50.4	2,052,400	72,900	70,100	41.7	2,926,600
Dickey	3,300	3,200	64.9	207,700	36,200	35,800	61.1	2,187,700
LaMoure	3,000	3,000	64.8	194,500	36,000	36,000	61.2	2,204,500
Logan	8,200	8,200	62.3	511,200	16,700	15,700	51.8	812,800
McIntosh	5,100	5,100	52.0	265,400	11,900	11,400	48.4	551,600
Ransom	3,200	3,200	57.6	184,300	33,500	33,000	59.6	1,967,300
Richland	3,400	3,400	68.2	231,900	44,600	44,100	64.0	2,822,100
Sargent	4,000	4,000	59.0	235,800	25,000	25,000	58.4	1,461,200
Southeast	30,200	30,100	60.8	1,830,800	203,900	201,000	59.7	12,007,200
STATE	712,500	698,900	46.0	32,123,500	2,233,900	2,197,500	55.2	121,268,700

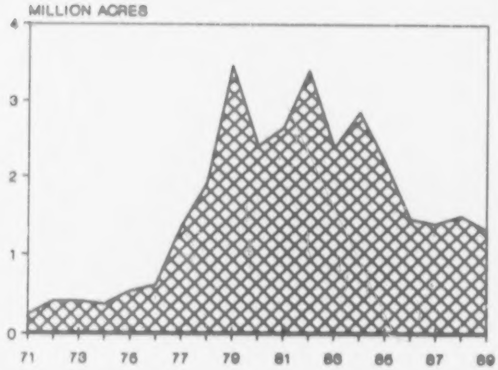
1/ See page 127 for irrigated acres.

SUNFLOWER

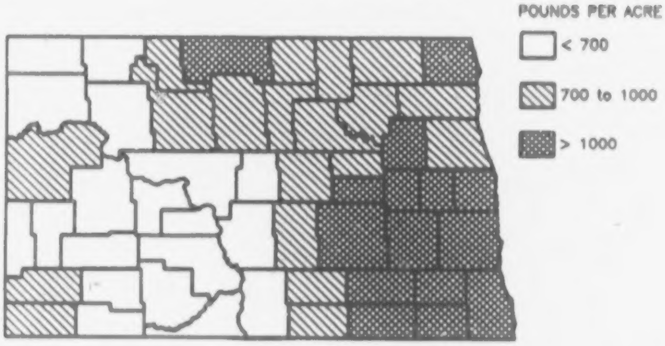
PRODUCTION
NORTH DAKOTA, 1989



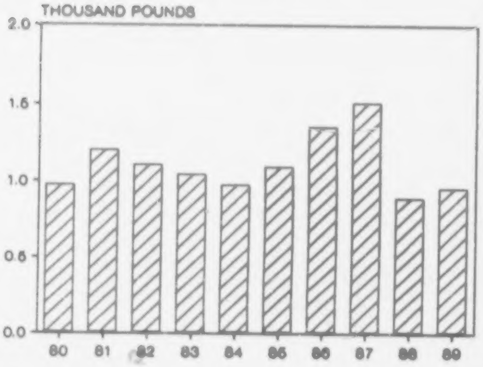
PLANTED ACRES
NORTH DAKOTA, 1971 - 89



YIELD PER HARVESTED ACRE
NORTH DAKOTA, 1989



YIELD PER HARVESTED ACRE
NORTH DAKOTA, 1980 - 89



North Dakota, 1980-89

Year	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
	(Acres)	(Acres)	(Lbs.)	(Lbs.)	($/Cwt.)	(Dols.)	(Dols.)
1980	2,400,000	2,235,000	976	2,181,050,000	11.00	239,683,000	107.24
1981	2,650,000	2,628,000	1,202	3,158.160,000	10.70	339,117,000	129.04
1982	3,400,000	3,348,000	1,106	3,703,600,000	8.84	327,246,000	97.74
1983	2,375,000	2,344,000	1,044	2,446,400,000	13.00	317,715,000	135.54
1984	2,850,000	2,817,000	976	2,749,850,000	11.30	311,370,000	110.53
1985	2,190,000	2,030,000	1,094	2,221,800,000	8.01	177,957,000	87.66
1986	1,460,000	1,407,000	1,353	1,903,690,000	7.10	135,179,000	96.08
1987	1,400,000	1,375,000	1,510	2,076,350,000	8.46	175,625,000	127.73
1988	1,500,000	1,410,000	892	1,257,600,000	12.00	150,883,000	107.01
1989	1,320,000	1,290,000	957	1,234,800,000	11.40	140,482,000	108.90

SUNFLOWER
North Dakota, 1989 and 1988

District and County	1989				1988			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)
Burke	12,300	11,200	460	5,150	15,000	14,500	840	12,180
Divide	4,000	3,200	650	2,080	5,500	4,500	620	2,790
Mountrail	15,600	14,000	450	6,330	27,000	25,400	590	14,940
Renville	12,600	12,200	860	10,500	21,000	20,500	890	18,240
Ward	45,000	44,300	800	35,580	55,500	54,400	860	46,770
Williams	3,500	3,400	650	2,210	5,500	5,000	700	3,500
Northwest	93,000	88,300	700	61,850	129,500	124,300	790	98,420
Benson	49,500	48,600	800	39,090	60,000	51,100	650	33,230
Bottineau	31,500	31,200	1010	31,420	40,100	38,500	680	26,180
McHenry	47,000	45,800	820	37,650	51,300	48,700	740	35,820
Pierce	35,500	34,600	730	25,280	41,000	34,300	640	22,020
Rolette	10,500	10,300	830	8,550	12,600	11,900	820	9,790
North Central	174,000	170,500	830	141,990	205,000	184,500	690	127,040
Cavalier	22,000	21,500	880	18,885	25,000	24,300	970	23,670
Grand Forks	22,000	21,800	980	21,325	20,000	19,100	1260	24,130
Nelson	46,000	45,900	1010	46,570	56,500	54,900	1310	71,990
Pembina	5,000	5,000	1140	5,690	4,500	4,400	920	4,050
Ramsey	62,000	61,700	880	54,330	71,000	70,000	1050	73,700
Towner	23,000	22,800	980	22,250	26,500	25,900	990	25,730
Walsh	20,000	19,400	820	15,970	21,500	20,900	850	17,840
Northeast	200,000	198,100	930	185,020	225,000	219,500	1100	241,110
Dunn	2,500	2,100	440	914	4,600	1,500	530	790
McKenzie	1,500	1,200	720	864	1,500	1,000	500	500
McLean	60,500	55,000	570	31,597	64,400	59,300	770	45,900
Mercer	4,500	3,800	460	1,765	5,000	4,400	540	2,360
Oliver	5,500	5,400	450	2,430	6,000	5,000	560	2,800
West Central	74,500	67,500	560	37,570	81,500	71,200	740	52,350
Eddy	42,000	41,400	970	39,970	37,500	36,000	950	34,080
Foster	70,000	68,500	1050	71,615	72,500	69,000	1070	73,610
Kidder	2,000	1,800	820	1,480	3,000	2,200	620	1,360
Sheridan	35,500	34,000	630	21,280	38,000	35,200	610	21,420
Stutsman	110,000	109,000	1080	117,420	125,500	118,600	840	99,660
Wells	83,500	82,500	790	65,470	95,500	91,500	790	72,200
Central	343,000	337,200	940	317,235	372,000	352,500	860	302,330
Barnes	99,000	98,700	1170	115,515	104,000	101,200	1110	111,980
Cass	29,500	29,200	1320	38,600	26,200	24,700	1030	25,480
Griggs	25,000	24,700	1080	26,775	33,700	33,400	1320	43,950
Steele	17,000	16,800	1250	21,035	18,000	17,700	1390	24,570
Traill	1,500	1,400	1270	1,775	2,100	2,000	1670	3,330
East Central	172,000	170,800	1190	203,700	184,000	179,000	1170	209,310
Adams	4,200	3,800	470	1,782	4,900	4,700	480	2,270
Billings	500	400	450	180	500	300	600	180
Bowman	1,500	1,400	900	1,260	2,300	2,000	760	1,512
Golden Valley	500	400	450	180	500	400	600	240
Hettinger	11,400	11,200	450	5,008	18,500	17,000	580	9,860
Slope	2,000	1,900	820	1,560	2,500	2,200	770	1,698
Stark	5,700	5,500	470	2,585	6,800	6,100	550	3,360
Southwest	25,800	24,600	510	12,555	36,000	32,700	580	19,120
Burleigh	9,700	9,100	290	2,630	11,000	7,000	470	3,310
Emmons	8,200	7,100	270	1,920	8,500	6,500	370	2,410
Grant	12,500	11,900	480	5,760	16,500	15,300	800	12,280
Morton	13,300	12,500	490	6,170	14,000	13,000	480	6,240
Sioux	1,000	900	400	360	1,000	700	370	260
South Central	44,700	41,500	410	16,840	51,000	42,500	580	24,500
Dickey	38,000	37,900	1320	50,170	37,500	36,800	850	31,400
LaMoure	69,000	68,700	1390	95,400	82,000	79,500	990	78,590
Logan	5,000	4,700	990	4,640	7,500	6,900	720	5,000
McIntosh	11,500	11,200	930	10,405	11,500	6,700	480	3,230
Ransom	31,500	31,400	1350	42,305	37,000	34,000	870	29,630
Richland	13,000	12,900	1480	19,120	9,000	8,800	1200	10,560
Sargent	25,000	24,700	1460	36,000	31,500	31,100	800	25,010
Southeast	193,000	191,500	1350	258,040	216,000	203,800	900	183,420
STATE	1,320,000	1,290,000	957	1,234,800	1,500,000	1,410,000	892	1,257,600

SUNFLOWER
North Dakota, 1987 and 1986

District and County	1987				1986			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	*Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	*Production
	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)
Burke	14,000	14,000	1340	18,760	13,000	11,000	1160	12,780
Divide	4,500	4,500	1350	6,070	8,600	5,100	920	4,686
Mountrail	16,000	15,000	1330	19,990	20,200	19,200	1170	22,423
Renville	10,500	10,300	1550	16,010	9,200	9,200	1370	12,614
Ward	58,000	57,400	1530	87,970	48,500	44,500	1290	57,192
Williams	6,000	5,700	1260	7,180	5,000	4,500	1010	4,545
Northwest	109,000	106,900	1460	155,980	104,500	93,500	1220	114,240
Benson	54,000	52,800	1520	80,310	51,500	49,000	1200	58,690
Bottineau	31,000	30,500	1610	49,010	22,500	22,000	1250	27,550
McHenry	45,300	44,700	1500	66,850	57,500	52,000	1380	71,860
Pierce	35,000	34,800	1490	51,860	38,000	35,500	1160	41,145
Rolette	13,700	13,700	1460	19,950	17,500	17,000	1210	20,515
North Central	179,000	176,500	1520	267,980	187,000	175,500	1250	219,760
Cavalier	21,000	20,300	1540	31,260	14,000	13,500	1320	17,560
Grand Forks	32,500	32,500	1570	51,080	45,000	44,000	1470	64,750
Nelson	50,000	49,200	1470	72,260	~~48,000~~	45,300	1390	63,175
Pembina	5,400	5,400	1580	8,550	7,000	7,000	1320	9,270
Ramsey	55,000	54,200	1520	82,240	42,500	35,400	1210	42,755
Towner	25,600	25,000	1480	37,020	20,500	17,900	1160	20,810
Walsh	24,500	24,400	1570	38,390	29,000	28,400	1400	39,780
Northeast	214,000	211,000	1520	320,800	206,000	191,500	1350	258,400
Dunn	4,400	4,300	1370	5,900	6,000	5,400	1100	5,954
McKenzie	600	600	1530	920	1,000	700	1300	910
McLean	70,000	69,900	1550	108,510	71,500	70,000	1420	99,061
Mercer	5,000	4,900	1480	7,270	7,500	7,000	1150	8,045
Oliver	4,500	4,500	1460	6,570	7,000	6,900	1500	10,350
West Central	84,500	84,200	1530	129,170	93,000	90,000	1380	124,320
Eddy	24,700	24,600	1460	35,900	35,500	35,300	1300	45,788
Foster	60,500	56,800	1320	74,750	70,500	69,500	1400	97,400
Kidder	4,300	4,300	1390	5,960	6,000	6,000	1000	6,000
Sheridan	36,000	35,400	1360	48,030	37,500	36,700	1250	46,022
Stutsman	128,000	126,700	1490	189,360	116,500	114,500	1360	155,680
Wells	86,000	80,700	1400	112,670	99,000	98,000	1280	124,950
Central	339,500	328,500	1420	466,670	365,000	360,000	1320	475,840
Barnes	90,000	88,400	1660	147,120	95,000	94,000	1550	145,960
Cass	33,000	32,900	1660	54,750	54,000	54,000	1570	84,980
Griggs	27,000	26,500	1520	40,270	33,000	33,000	1490	49,230
Steele	23,000	21,900	1490	32,730	24,000	24,000	1660	39,880
Traill	4,500	4,300	1190	5,100	11,000	11,000	1680	18,430
East Central	177,500	174,000	1610	279,970	217,000	216,000	1570	338,480
Adams	6,000	6,000	1300	7,800	8,000	8,000	1030	8,240
Billings	300	300	1300	390	500	500	930	465
Bowman	4,100	4,100	1380	5,660	4,000	3,500	1000	3,500
Golden Valley	600	600	1500	900	500	500	900	450
Hettinger	20,000	19,500	1130	22,090	21,500	20,500	1080	22,180
Slope	4,000	4,000	1380	5,520	5,000	5,000	960	4,790
Stark	4,000	4,000	1440	5,760	9,000	8,500	770	6,545
Southwest	39,000	38,500	1250	48,120	48,500	46,500	990	46,170
Burleigh	14,400	14,300	1430	20,490	15,500	15,500	1100	17,050
Emmons	6,000	5,700	1520	8,670	5,000	4,500	1330	5,985
Grant	16,800	16,400	1420	23,220	13,500	12,500	1170	14,625
Morton	17,600	17,600	1460	25,710	12,500	12,000	1280	15,310
Sioux	200	200	1350	270	1,500	1,500	1060	1,590
South Central	55,000	54,200	1450	78,360	48,000	46,000	1190	54,560
Dickey	35,000	35,000	1630	57,030	25,500	25,500	1510	38,420
LaMoure	67,000	66,800	1640	109,700	60,000	59,600	1380	82,304
Logan	8,500	8,500	1390	11,820	6,500	6,500	1130	7,330
McIntosh	13,500	13,000	1390	18,100	9,500	9,500	1520	14,480
Ransom	35,300	34,700	1710	59,450	34,500	33,100	1450	48,027
Richland	10,200	10,200	1600	16,270	20,500	19,900	1380	27,554
Sargent	33,000	33,000	1730	56,930	34,500	33,900	1590	53,805
Southeast	202,500	201,200	1640	329,300	191,000	188,000	1450	271,920
STATE	1,400,000	1,375,000	1510	2,076,350	1,460,000	1,407,000	1353	1,903,690

* Incorrect production published in Ag. Statistics No. 59 released June 1990.

SUNFLOWER
North Dakota, 1985 and 1984

District and County	1985				1984			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)
Burke	21,900	13,300	740	9,890	30,500	29,500	560	16,640
Divide	13,200	5,700	480	2,750	26,500	23,500	370	8,800
Mountrail	42,900	34,800	870	30,170	55,000	53,000	750	39,890
Renville	19,500	16,000	590	9,440	34,000	32,500	800	26,010
Ward	88,000	58,700	920	53,840	110,000	109,000	980	107,150
Williams	10,000	7,500	420	3,150	24,000	22,500	520	11,710
Northwest	195,500	136,000	800	109,240	280,000	270,000	780	210,200
Benson	81,000	78,500	1070	83,930	110,000	109,000	950	103,090
Bottineau	44,500	27,900	1140	31,750	80,000	79,000	670	53,150
McHenry	79,500	75,700	1150	86,910	105,000	103,000	880	90,500
Pierce	53,500	51,900	980	51,030	77,000	77,000	890	68,660
Rolette	30,500	26,500	770	20,470	48,000	47,000	870	40,880
North Central	289,000	260,500	1050	274,090	420,000	415,000	860	356,280
Cavalier	36,500	30,400	950	28,930	50,000	48,500	1200	58,300
Grand Forks	64,500	61,600	860	52,770	78,000	77,500	1110	86,020
Nelson	68,500	65,100	1080	70,550	89,000	88,500	1060	93,890
Pembina	12,500	10,500	860	9,060	20,000	20,000	1220	24,480
Ramsey	74,000	66,700	990	65,790	95,000	93,500	1060	99,260
Towner	36,000	31,300	880	27,450	51,000	49,500	990	48,920
Walsh	42,000	40,400	920	37,170	52,000	51,500	1150	59,060
Northeast	334,000	306,000	950	291,720	435,000	429,000	1100	469,930
Dunn	9,500	9,500	1000	9,500	10,000	9,600	1000	9,620
McKenzie	2,000	2,000	700	1,400	4,000	3,400	440	1,500
McLean	121,500	114,000	1080	122,900	140,000	139,000	980	136,860
Mercer	9,500	7,500	970	7,290	12,000	12,000	1010	12,090
Oliver	12,000	12,000	1010	12,120	9,000	9,000	800	7,170
West Central	154,500	145,000	1060	153,210	175,000	173,000	970	167,240
Eddy	52,000	49,300	910	44,780	61,000	61,000	940	57,480
Foster	84,000	83,100	1170	97,580	91,000	90,500	1150	103,800
Kidder	13,000	12,900	910	11,790	24,000	24,000	910	21,770
Sheridan	65,000	61,200	1070	65,760	69,000	69,000	960	66,170
Stutsman	142,000	140,500	1070	150,290	200,000	199,000	970	193,400
Wells	128,000	124,500	1090	136,110	160,000	159,500	970	154,080
Central	484,000	471,500	1070	506,310	605,000	603,000	990	596,700
Barnes	100,500	95,900	1290	123,300	135,000	135,000	1050	142,110
Cass	68,000	66,500	1500	99,570	69,000	68,600	1290	88,460
Griggs	37,500	36,200	1200	43,290	52,000	51,600	1130	58,110
Steele	27,500	26,900	1290	34,730	37,000	37,000	1180	43,740
Traill	12,000	10,500	1480	15,520	7,000	6,800	1260	8,580
East Central	245,500	236,000	1340	316,410	300,000	299,000	1140	341,000
Adams	25,000	23,000	880	20,240	30,000	30,000	950	28,490
Billings	1,000	1,000	810	810	2,000	2,000	770	1,530
Bowman	6,200	6,200	710	4,390	12,000	12,000	760	9,060
Golden Valley	1,000	1,000	550	550	3,000	3,000	650	1,960
Hettinger	62,300	61,300	1230	75,390	79,000	78,000	1110	86,470
Slope	10,000	9,500	910	8,650	10,000	10,000	1000	10,000
Stark	25,000	24,500	880	21,560	24,000	24,000	950	22,790
Southwest	130,500	126,500	1040	131,590	160,000	159,000	1010	160,300
Burleigh	29,500	25,500	950	24,240	42,000	40,000	750	29,820
Emmons	10,000	10,000	930	9,300	16,500	16,000	980	15,670
Grant	24,300	24,300	1130	27,440	35,000	34,500	890	30,710
Morton	18,000	18,000	1080	19,380	27,500	27,000	770	20,740
Sioux	4,200	4,200	1000	4,220	4,000	3,500	960	3,360
South Central	86,000	82,000	1030	84,580	125,000	121,000	830	100,300
Dickey	48,000	47,900	1220	58,360	70,000	69,500	910	63,280
LaMoure	81,600	78,400	1190	93,180	105,000	105,000	1040	109,390
Logan	11,500	11,500	900	10,370	19,000	19,000	680	12,920
McIntosh	16,600	16,600	870	14,480	31,000	31,000	860	26,660
Ransom	40,700	39,600	1590	62,770	42,000	41,500	1100	45,630
Richland	29,000	29,000	1570	45,490	33,000	32,500	1170	37,910
Sargent	43,600	43,500	1610	70,000	50,000	49,500	1050	52,110
Southeast	271,000	266,500	1330	354,650	350,000	348,000	1000	347,900
STATE	2,190,000	2,030,000	1094	2,221,800	2,850,000	2,817,000	976	2,749,850

June 1990

SUNFLOWER
North Dakota, 1989

District and County	Oil				Non-oil			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)
Burke	12,000	11,000	460	5,060	300	200	450	90
Divide	4,000	3,200	650	2,080	—	—	—	—
Mountrail	14,500	13,000	460	5,980	1,100	1,000	350	350
Renville	11,000	10,700	920	9,840	1,600	1,500	440	660
Ward	40,000	39,800	810	32,430	5,000	4,500	700	3,150
Williams	3,500	3,400	650	2,210	—	—	—	—
Northwest	85,000	81,100	710	57,600	8,000	7,200	590	4,250
Benson	35,000	34,300	800	27,430	14,500	14,300	820	11,660
Bottineau	25,500	25,300	960	24,280	6,000	5,900	1210	7,140
McHenry	41,000	40,000	760	30,400	6,000	5,800	1250	7,250
Pierce	29,000	28,300	700	19,800	6,500	6,300	870	5,480
Rolette	7,500	7,400	850	6,290	3,000	2,900	780	2,260
North Central	138,000	135,300	800	108,200	36,000	35,200	960	33,790
Cavalier	7,500	7,400	970	7,180	14,500	14,100	830	11,705
Grand Forks	15,000	15,000	1000	15,000	7,000	6,800	930	6,325
Nelson	25,000	25,000	1010	25,250	21,000	20,900	1020	21,320
Pembina	4,500	4,500	1140	5,130	500	500	1120	560
Ramsey	27,500	27,400	890	24,490	34,500	34,300	870	29,840
Towner	15,500	15,400	950	14,630	7,500	7,400	1030	7,620
Walsh	15,000	14,900	800	11,920	5,000	4,500	900	4,050
Northeast	110,000	109,600	950	103,600	90,000	88,500	920	81,420
Dunn	2,000	1,700	420	714	500	400	500	200
McKenzie	1,500	1,200	720	864	—	—	—	—
McLean	56,000	51,000	580	29,477	4,500	4,000	530	2,120
Mercer	3,000	2,700	450	1,215	1,500	1,100	500	550
Oliver	5,500	5,400	450	2,430	—	—	—	—
West Central	68,000	62,000	560	34,700	6,500	5,500	520	2,870
Eddy	21,500	21,300	990	21,080	20,500	20,100	940	18,890
Foster	35,000	34,500	1210	41,790	35,000	34,000	880	29,825
Kidder	1,500	1,400	800	1,120	500	400	900	360
Sheridan	27,000	26,000	640	16,640	8,500	8,000	580	4,640
Stutsman	82,000	81,500	1070	87,200	28,000	27,500	1100	30,220
Wells	53,000	52,500	790	41,470	30,500	30,000	800	24,000
Central	220,000	217,200	960	209,300	123,000	120,000	900	107,935
Barnes	83,500	83,300	1230	102,270	15,500	15,400	860	13,245
Cass	23,000	22,800	1320	30,090	6,500	6,400	1330	8,510
Griggs	20,000	19,800	1120	22,170	5,000	4,900	940	4,605
Steele	13,000	12,900	1250	16,120	4,000	3,900	1260	4,915
Traill	500	500	1300	650	1,000	900	1250	1,125
East Central	140,000	139,300	1230	171,300	32,000	31,500	1030	32,400
Adams	4,000	3,600	480	1,710	200	200	360	72
Billings	500	400	450	180	—	—	—	—
Bowman	1,500	1,400	900	1,260	—	—	—	—
Golden Valley	500	400	450	180	—	—	—	—
Hettinger	11,000	10,900	450	4,870	400	300	460	138
Slope	2,000	1,900	820	1,560	—	—	—	—
Stark	5,500	5,400	470	2,540	200	100	450	45
Southwest	25,000	24,000	510	12,300	800	600	430	255
Burleigh	9,000	8,500	270	2,300	700	600	550	330
Emmons	8,100	7,000	270	1,890	100	100	300	30
Grant	7,500	7,400	450	3,330	5,000	4,500	540	2,430
Morton	8,400	8,200	600	4,920	4,900	4,300	290	1,250
Sioux	1,000	900	400	360	—	—	—	—
South Central	34,000	32,000	400	12,800	10,700	9,500	430	4,040
Dickey	33,500	33,500	1340	44,890	4,500	4,400	1200	5,280
LaMoure	57,000	56,900	1440	81,940	12,000	11,800	1140	13,460
Logan	4,000	3,900	1000	3,900	1,000	800	930	740
McIntosh	9,500	9,300	1010	9,400	2,000	1,900	530	1,005
Ransom	28,000	28,000	1350	37,800	3,500	3,400	1330	4,505
Richland	10,000	10,000	1590	15,900	3,000	2,900	1110	3,220
Sargent	18,000	17,900	1540	27,570	7,000	6,800	1240	8,430
Southeast	160,000	159,500	1390	221,400	33,000	32,000	1150	36,640
STATE	980,000	960,000	970	931,200	340,000	330,000	920	303,600

SUNFLOWER
North Dakota, 1988

District and County	Oil: Acres Planted (Acres)	Oil: Acres Harvested (Acres)	Oil: Yield Per Harvested Acre (Lbs.)	Oil: Production (000 Lbs.)	Non-Oil: Acres Planted (Acres)	Non-Oil: Acres Harvested (Acres)	Non-Oil: Yield Per Harvested Acre (Lbs.)	Non-Oil: Production (000 Lbs.)
Burke	15,000	14,500	840	12,180	—	—	—	—
Divide	5,500	4,500	620	2,790	—	—	—	—
Mountrail	25,000	23,500	580	13,630	2,000	1,900	690	1,310
Renville	20,000	19,500	910	17,670	1,000	1,000	570	570
Ward	49,000	48,000	880	42,230	6,500	6,400	710	4,540
Williams	5,500	5,000	700	3,500	—	—	—	—
Northwest	120,000	115,000	800	92,000	9,500	9,300	690	6,420
Benson	46,500	38,500	670	25,800	13,500	12,600	590	7,430
Bottineau	36,500	35,000	680	23,830	3,600	3,500	670	2,350
McHenry	49,000	46,500	730	33,950	2,300	2,200	850	1,870
Pierce	33,000	26,500	610	16,170	8,000	7,800	750	5,850
Rolette	10,000	9,500	830	7,890	2,600	2,400	790	1,900
North Central	175,000	156,000	690	107,640	30,000	28,500	680	19,400
Cavalier	15,000	14,500	910	13,190	10,000	9,800	1070	10,480
Grand Forks	16,000	15,200	1200	18,240	4,000	3,900	1510	5,890
Nelson	44,500	43,400	1350	58,420	12,000	11,500	1180	13,570
Pembina	4,500	4,400	920	4,050	—	—	—	—
Ramsey	40,500	40,000	1070	42,800	30,500	30,000	1030	30,900
Towner	23,000	22,500	1030	23,180	3,500	3,400	750	2,550
Walsh	16,500	16,000	830	13,280	5,000	4,900	930	4,560
Northeast	160,000	156,000	1110	173,160	65,000	63,500	1070	67,950
Dunn	4,000	1,000	580	580	600	500	420	210
McKenzie	1,500	1,000	500	500	—	—	—	—
McLean	59,000	54,000	770	41,450	5,400	5,300	840	4,450
Mercer	4,500	4,000	530	2,120	500	400	600	240
Oliver	6,000	5,000	560	2,800	—	—	—	—
West Central	75,000	65,000	730	47,450	6,500	6,200	790	4,900
Eddy	25,000	24,000	970	23,280	12,500	12,000	900	10,800
Foster	49,000	46,000	1050	48,300	23,500	23,000	1100	25,310
Kidder	3,000	2,200	620	1,360	—	—	—	—
Sheridan	33,000	30,300	610	18,480	5,000	4,900	600	2,940
Stutsman	100,000	94,500	840	79,400	25,500	24,100	840	20,260
Wells	80,000	77,000	770	59,290	15,500	14,500	890	12,910
Central	290,000	274,000	840	230,110	82,000	78,500	920	72,220
Barnes	94,000	91,500	1090	99,950	10,000	9,700	1240	12,030
Cass	22,000	21,000	1030	21,630	4,200	3,700	1040	3,850
Griggs	29,000	28,800	1320	38,020	4,700	4,600	1290	5,930
Steele	14,000	13,800	1340	18,490	4,000	3,900	1560	6,080
Traill	1,000	900	1460	1,310	1,100	1,100	1840	2,020
East Central	160,000	156,000	1150	179,400	24,000	23,000	1300	29,910
Adams	4,900	4,700	480	2,270	—	—	—	—
Billings	500	300	600	180	—	—	—	—
Bowman	1,800	1,700	740	1,260	500	300	840	252
Golden Valley	500	400	600	240	—	—	—	—
Hettinger	18,500	17,000	580	9,860	—	—	—	—
Slope	2,000	1,800	770	1,390	500	400	770	308
Stark	6,800	6,100	550	3,360	—	—	—	—
Southwest	35,000	32,000	580	18,560	1,000	700	800	560
Burleigh	11,000	7,000	470	3,310	—	—	—	—
Emmons	8,500	6,500	370	2,410	—	—	—	—
Grant	5,500	4,800	720	3,460	11,000	10,500	840	8,820
Morton	14,000	13,000	480	6,240	—	—	—	—
Sioux	1,000	700	370	260	—	—	—	—
South Central	40,000	32,000	490	15,680	11,000	10,500	840	8,820
Dickey	35,000	34,500	870	30,020	2,500	2,300	600	1,380
LaMoure	70,000	68,000	1000	67,670	12,000	11,500	950	10,920
Logan	7,000	6,500	710	4,620	500	400	950	380
McIntosh	10,000	5,500	390	2,150	1,500	1,200	900	1,080
Ransom	36,000	33,000	870	28,700	1,000	1,000	930	930
Richland	9,000	8,800	1200	10,560	—	—	—	—
Sargent	28,000	27,700	790	21,880	3,500	3,400	920	3,130
Southeast	195,000	184,000	900	165,600	21,000	19,800	900	17,820
STATE	1,250,000	1,170,000	880	1,029,600	250,000	240,000	950	228,000

SUNFLOWER
North Dakota, 1987

District and County	Oil				Non-Oil			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	*Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	*Production
	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)
Burke	14,000	14,000	1340	18,760	---	---	---	---
Divide	4,500	4,500	1350	6,070	---	---	---	---
Mountrail	15,000	14,000	1340	18,800	1,000	1,000	1190	1,190
Renville	9,500	9,300	1570	14,600	1,000	1,000	1410	1,410
Ward	55,000	54,500	1550	84,490	3,000	2,900	1200	3,480
Williams	6,000	5,700	1260	7,180	---	---	---	---
Northwest	104,000	102,000	1470	149,900	5,000	4,900	1240	6,080
Benson	41,000	41,000	1550	63,540	13,000	11,800	1420	16,770
Bottineau	30,000	29,500	1610	47,500	1,000	1,000	1510	1,510
McHenry	40,000	39,500	1490	58,850	5,300	5,200	1540	8,000
Pierce	28,000	28,000	1500	42,000	7,000	6,800	1450	9,860
Rolette	13,000	13,000	1470	19,110	700	700	1200	840
North Central	152,000	151,000	1530	231,000	27,000	25,500	1450	36,980
Cavalier	11,500	11,000	1540	16,940	9,500	9,300	1540	14,320
Grand Forks	30,000	30,000	1570	47,100	2,500	2,500	1590	3,980
Nelson	36,000	35,500	1480	52,530	14,000	13,700	1440	19,730
Pembina	5,000	5,000	1590	7,950	400	400	1500	600
Ramsey	38,000	37,500	1530	57,360	17,000	16,700	1490	24,880
Towner	21,000	20,500	1490	30,540	4,600	4,500	1440	6,480
Walsh	20,500	20,500	1580	32,380	4,000	3,900	1540	6,010
Northeast	162,000	160,000	1530	244,800	52,000	51,000	1490	76,000
Dunn	3,100	3,100	1310	4,060	1,300	1,200	1530	1,840
McKenzie	600	600	1530	920	---	---	---	---
McLean	66,000	66,000	1560	102,960	4,000	3,900	1420	5,530
Mercer	4,800	4,800	1490	7,150	200	100	1200	120
Oliver	4,500	4,500	1460	6,570	---	---	---	---
West Central	79,000	79,000	1540	121,680	5,500	5,200	1440	7,490
Eddy	17,000	17,000	1490	25,330	7,700	7,600	1390	10,570
Foster	43,500	40,000	1310	52,380	17,000	16,800	1330	22,370
Kidder	4,000	4,000	1400	5,600	300	300	1200	360
Sheridan	33,500	33,000	1350	44,550	2,500	2,400	1450	3,480
Stutsman	109,000	108,000	1480	159,770	19,000	18,700	1580	29,590
Wells	72,000	67,000	1410	94,470	14,000	13,700	1330	18,200
Central	279,000	269,000	1420	382,100	60,500	59,500	1420	84,570
Barnes	85,000	83,500	1670	139,530	5,000	4,900	1550	7,590
Cass	27,000	27,000	1700	45,900	6,000	5,900	1500	8,850
Griggs	25,000	24,500	1550	37,970	2,000	2,000	1150	2,300
Steele	19,000	18,000	1550	27,900	4,000	3,900	1240	4,830
Traill	1,000	1,000	1300	1,300	3,500	3,300	1150	3,800
East Central	157,000	154,000	1640	252,600	20,500	20,000	1370	27,370
Adams	6,000	6,000	1300	7,800	---	---	---	---
Billings	300	300	1300	390	---	---	---	---
Bowman	3,800	3,800	1400	5,320	---	---	---	---
Golden Valley	600	600	1500	900	300	300	1130	340
Hettinger	19,000	18,500	1120	20,720	---	---	---	---
Slope	3,300	3,300	1440	4,750	1,000	1,000	1370	1,370
Stark	4,000	4,000	1440	5,760	700	700	1100	770
Southwest	37,000	36,500	1250	45,640	2,000	2,000	1240	2,480
Burleigh	14,000	13,900	1440	20,010	400	400	1200	480
Emmons	6,000	5,700	1520	8,670	---	---	---	---
Grant	7,800	7,700	1320	10,170	---	---	---	---
Morton	17,000	17,000	1470	24,980	9,000	8,700	1500	13,050
Sioux	200	200	1350	270	600	600	1220	730
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South Central	45,000	44,500	1440	64,100	10,000	9,700	1470	14,260
Dickey	32,500	32,500	1640	53,300	2,500	2,500	1490	3,730
LaMoure	62,000	62,000	1650	102,270	5,000	4,800	1550	7,430
Logan	8,000	8,000	1400	11,200	500	500	1240	620
McIntosh	12,000	11,500	1410	16,220	1,500	1,500	1250	1,880
Ransom	32,000	31,500	1710	53,850	3,300	3,200	1750	5,600
Richland	9,500	9,500	1580	15,010	700	700	1800	1,260
Sargent	29,000	29,000	1720	49,930	4,000	4,000	1750	7,000
Southeast	185,000	184,000	1640	301,780	17,500	17,200	1600	27,520
STATE	1,200,000	1,180,000	1520	1,793,600	200,000	195,000	1450	282,750

* Incorrect production published in Ag. Statistics No. 59 released June 1990.

SUNFLOWER
North Dakota, 1986

District and County	Oil				Non-Oil			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)
Burke	12,000	10,000	1180	11,800	1,000	1,000	980	980
Divide	8,500	5,000	920	4,600	100	100	860	86
Mountrail	19,500	18,500	1170	21,653	700	700	1100	770
Renville	8,500	8,500	1400	11,900	700	700	1020	714
Ward	42,500	38,500	1300	50,052	6,000	6,000	1190	7,140
Williams	5,000	4,500	1010	4,545	---	---	---	---
Northwest	96,000	85,000	1230	104,550	8,500	8,500	1140	9,690
Benson	36,000	34,000	1210	41,140	15,500	15,000	1170	17,550
Bottineau	21,500	21,000	1250	26,250	1,000	1,000	1300	1,300
McHenry	50,000	45,000	1360	61,220	7,500	7,000	1520	10,640
Pierce	31,500	29,500	1110	32,745	6,500	6,000	1400	8,400
Rolette	16,000	15,500	1190	18,445	1,500	1,500	1380	2,070
North Central	155,000	145,000	1240	179,800	32,000	30,500	1310	39,960
Cavalier	9,000	8,500	1260	10,710	5,000	5,000	1430	7,150
Grand Forks	40,000	39,000	1450	56,550	5,000	5,000	1640	8,200
Nelson	34,000	33,000	1370	45,215	14,000	12,300	1460	17,960
Pembina	6,000	6,000	1310	7,860	1,000	1,000	1410	1,410
Ramsey	32,000	26,500	1160	30,740	10,500	8,900	1350	12,015
Towner	17,000	15,500	1180	18,290	3,500	2,400	1050	2,520
Walsh	27,000	26,500	1390	36,835	2,000	1,900	1550	2,945
Northeast	165,000	155,000	1330	206,200	41,000	36,500	1430	52,200
Dunn	5,000	4,400	1110	4,884	1,000	1,000	1070	1,070
McKenzie	1,000	700	1300	910	---	---	---	---
McLean	67,000	65,500	1420	92,986	4,500	4,500	1350	6,075
Mercer	5,000	4,500	1260	5,670	2,500	2,500	950	2,375
Oliver	7,000	6,900	1500	10,350	---	---	---	---
West Central	85,000	82,000	1400	114,800	8,000	8,000	1190	9,520
Eddy	23,000	23,000	1290	29,670	12,500	12,300	1310	16,118
Foster	46,000	45,000	1370	61,580	24,500	24,500	1460	35,820
Kidder	6,000	6,000	1000	6,000	---	---	---	---
Sheridan	32,000	31,500	1220	38,430	5,500	5,200	1460	7,592
Stutsman	98,000	96,500	1360	131,200	18,500	18,000	1360	24,480
Wells	75,000	74,000	1280	94,700	24,000	24,000	1260	30,250
Central	280,000	276,000	1310	361,580	85,000	84,000	1360	114,260
Barnes	89,000	88,000	1560	137,260	6,000	6,000	1450	8,700
Cass	50,000	50,000	1570	78,500	4,000	4,000	1620	6,480
Griggs	30,000	30,000	1500	45,000	3,000	3,000	1410	4,230
Steele	19,000	19,000	1670	31,730	5,000	5,000	1630	8,150
Traill	7,000	7,000	1730	12,110	4,000	4,000	1580	6,320
East Central	195,000	194,000	1570	304,600	22,000	22,000	1540	33,880
Adams	8,000	8,000	1030	8,240	---	---	---	---
Billings	500	500	930	465	---	---	---	---
Bowman	4,000	3,500	1000	3,500	---	---	---	---
Golden Valley	500	500	900	450	---	---	---	---
Hettinger	21,000	20,000	1090	21,800	500	500	760	380
Slope	4,000	4,000	1000	4,000	1,000	1,000	790	790
Stark	9,000	8,500	770	6,545	---	---	---	---
Southwest	47,000	45,000	1000	45,000	1,500	1,500	780	1,170
Burleigh	15,500	15,500	1100	17,050	---	---	---	---
Emmons	5,000	4,500	1330	5,985	---	---	---	---
Grant	10,000	9,000	1170	10,530	3,500	3,500	1170	4,095
Morton	10,000	9,500	1310	12,445	2,500	2,500	1150	2,865
Sioux	1,500	1,500	1060	1,590	---	---	---	---
South Central	42,000	40,000	1190	47,600	6,000	6,000	1160	6,960
Dickey	23,500	23,500	1520	35,720	2,000	2,000	1350	2,700
LaMoure	53,500	53,500	1360	72,785	6,500	6,100	1560	9,519
Logan	6,000	6,000	1110	6,660	500	500	1340	670
McIntosh	9,000	9,000	1530	13,770	500	500	1420	710
Ransom	32,000	31,000	1450	44,940	2,500	2,100	1470	3,087
Richland	19,000	18,500	1360	25,160	1,500	1,400	1710	2,394
Sargent	32,000	31,500	1590	50,085	2,500	2,400	1550	3,720
Southeast	175,000	173,000	1440	249,120	16,000	15,000	1520	22,800
STATE	1,240,000	1,195,000	1350	1,613,250	220,000	212,000	1370	290,440

SUNFLOWER
North Dakota, 1985

District and County	Oil: Acres Planted	Oil: Acres Harvested	Oil: Yield Per Harvested Acre	Oil: Production	Non-Oil: Acres Planted	Non-Oil: Acres Harvested	Non-Oil: Yield Per Harvested Acre	Non-Oil: Production
	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)
Burke	21,000	12,500	730	9,130	900	800	950	760
Divide	13,000	5,500	470	2,580	200	200	850	170
Mountrail	42,000	34,000	860	29,240	900	800	1160	930
Renville	19,000	15,500	580	8,990	500	500	900	450
Ward	85,000	56,000	900	50,400	3,000	2,700	1270	3,440
Williams	10,000	7,500	420	3,150	---	---	---	---
Northwest	190,000	131,000	790	103,490	5,500	5,000	1150	5,750
Benson	65,000	63,000	1020	64,260	16,000	15,500	1270	19,670
Bottineau	40,000	23,500	1130	26,560	4,500	4,400	1180	5,190
McHenry	75,000	72,000	1140	82,100	4,500	3,700	1300	4,810
Pierce	50,000	48,500	970	47,050	3,500	3,400	1170	3,980
Rolette	30,000	26,000	770	20,020	500	500	900	450
North Central	260,000	233,000	1030	239,990	29,000	27,500	1240	34,100
Cavalier	28,000	23,000	950	21,850	8,500	7,400	960	7,080
Grand Forks	60,000	57,500	850	48,870	4,500	4,100	950	3,900
Nelson	54,000	51,000	1050	53,550	14,500	14,100	1210	17,000
Pembina	12,000	10,000	860	8,600	500	500	920	460
Ramsey	55,000	48,500	950	46,070	19,000	18,200	1080	19,720
Towner	31,000	26,500	860	22,790	5,000	4,800	970	4,660
Walsh	40,000	38,500	920	35,420	2,000	1,900	920	1,750
Northeast	280,000	255,000	930	237,150	54,000	51,000	1070	54,570
Dunn	9,000	9,000	1000	9,000	500	500	1000	500
McKenzie	2,000	2,000	700	1,400	---	---	---	---
McLean	118,000	111,000	1070	118,740	3,500	3,000	1390	4,160
Mercer	9,000	7,000	970	6,790	500	500	1000	500
Oliver	12,000	12,000	1010	12,120	---	---	---	---
West Central	150,000	141,000	1050	148,050	4,500	4,000	1290	5,160
Eddy	35,000	33,000	850	28,050	17,000	16,300	1030	16,730
Foster	60,000	60,000	1110	66,600	24,000	23,100	1340	30,980
Kidder	12,000	12,000	900	10,800	1,000	900	1100	990
Sheridan	60,000	57,000	1070	60,990	5,000	4,200	1140	4,770
Stutsman	125,000	124,000	1040	129,000	17,000	16,500	1290	21,290
Wells	108,000	105,000	1060	111,300	20,000	19,500	1270	24,810
Central	400,000	391,000	1040	406,740	84,000	80,500	1240	99,570
Barnes	95,000	90,500	1290	116,760	5,500	5,400	1210	6,540
Cass	65,000	63,500	1500	95,250	3,000	3,000	1440	4,320
Griggs	35,000	34,000	1180	40,120	2,500	2,200	1440	3,170
Steele	25,000	24,500	1300	31,850	2,500	2,400	1200	2,880
Traill	10,000	8,500	1430	12,160	2,000	2,000	1680	3,360
East Central	230,000	221,000	1340	296,140	15,500	15,000	1350	20,270
Adams	25,000	23,000	880	20,240	---	---	---	---
Billings	1,000	1,000	810	810	---	---	---	---
Bowman	6,000	6,000	700	4,200	200	200	950	190
Golden Valley	1,000	1,000	550	550	---	---	---	---
Hettinger	62,000	61,000	1230	75,030	300	300	1200	360
Slope	10,000	9,500	910	8,650	---	---	---	---
Stark	25,000	24,500	880	21,560	---	---	---	---
Southwest	130,000	126,000	1040	131,040	500	500	1100	550
Burleigh	29,000	25,000	950	23,730	500	500	1020	510
Emmons	10,000	10,000	930	9,300	---	---	---	---
Grant	20,000	20,000	1130	22,600	4,300	4,300	1130	4,840
Morton	17,000	17,000	1090	18,530	1,000	1,000	850	850
Sioux	4,000	4,000	1030	4,120	200	200	500	100
South Central	80,000	76,000	1030	78,280	6,000	6,000	1050	6,300
Dickey	45,000	45,000	1210	54,450	3,000	2,900	1350	3,910
LaMoure	75,000	72,000	1170	84,240	6,600	6,400	1400	8,940
Logan	11,000	11,000	890	9,790	500	500	1160	580
McIntosh	16,000	16,000	860	13,760	600	600	1200	720
Ransom	36,000	35,000	1570	54,950	4,700	4,600	1700	7,820
Richland	28,000	28,000	1570	43,960	1,000	1,000	1530	1,530
Sargent	39,000	39,000	1630	63,570	4,600	4,500	1430	6,430
Southeast	250,000	246,000	1320	324,720	21,000	20,500	1460	29,930
STATE	1,970,000	1,820,000	1080	1,965,600	220,000	210,000	1220	256,200

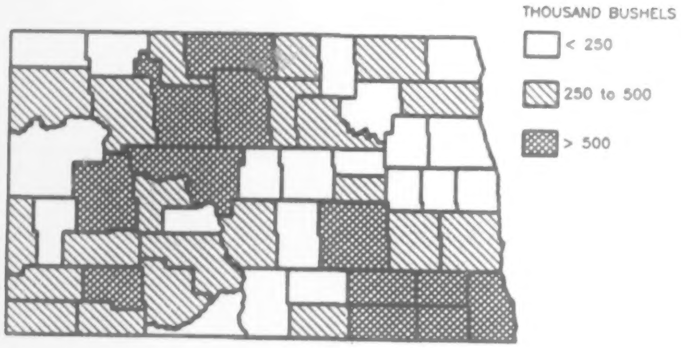
SUNFLOWER
North Dakota, 1984

District and County	Oil				Non-Oil			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)
Burke	27,500	26,500	570	15,110	3,000	3,000	510	1,530
Divide	25,500	22,500	370	8,330	1,000	1,000	470	470
Mountrail	54,300	52,300	750	39,250	700	700	910	640
Renville	34,000	32,500	800	26,010	—	—	—	—
Ward	108,700	107,700	980	105,590	1,300	1,300	1200	1,560
Williams	24,000	22,500	520	11,710	—	—	—	—
Northwest	274,000	264,000	780	206,000	6,000	6,000	700	4,200
Benson	92,500	92,000	940	86,460	17,500	17,000	980	16,630
Bottineau	74,000	73,000	670	48,890	6,000	6,000	710	4,260
McHenry	101,000	99,000	870	86,100	4,000	4,000	1100	4,400
Pierce	73,500	73,500	880	64,670	3,500	3,500	1140	3,990
Rolette	48,000	47,000	870	40,880	—	—	—	—
North Central	389,000	384,500	850	327,000	31,000	30,500	960	29,280
Cavalier	45,000	43,500	1200	52,200	5,000	5,000	1220	6,100
Grand Forks	74,500	74,000	1100	81,400	3,500	3,500	1320	4,620
Nelson	78,500	78,000	1060	82,660	10,500	10,500	1070	11,230
Pembina	19,500	19,500	1230	23,980	500	500	1000	500
Ramsey	79,000	78,000	1050	81,900	16,000	15,500	1120	17,360
Towner	44,000	42,500	970	41,220	7,000	7,000	1100	7,700
Walsh	49,500	49,000	1140	55,840	2,500	2,500	1290	3,220
Northeast	390,000	384,500	1090	419,200	45,000	44,500	1140	50,730
Dunn	9,700	9,300	990	9,200	300	300	1400	420
McKenzie	4,000	3,400	440	1,500	—	—	—	—
McLean	136,500	135,500	980	132,730	3,500	3,500	1180	4,130
Mercer	10,500	10,500	1000	10,500	1,500	1,500	1060	1,590
Oliver	8,300	8,300	780	6,470	700	700	1000	700
West Central	169,000	167,000	960	160,400	6,000	6,000	1140	6,840
Eddy	43,000	43,000	880	37,860	18,000	18,000	1090	19,620
Foster	72,000	72,000	1130	81,230	19,000	18,500	1220	22,570
Kidder	22,000	22,000	880	19,370	2,000	2,000	1200	2,400
Sheridan	64,000	64,000	950	60,820	5,000	5,000	1070	5,350
Stutsman	173,000	173,000	960	166,100	27,000	26,000	1050	27,300
Wells	139,000	139,000	950	132,320	21,000	20,500	1060	21,760
Central	513,000	513,000	970	497,700	92,000	90,000	1100	99,000
Barnes	131,500	131,500	1050	138,050	3,500	3,500	1160	4,060
Cass	68,800	68,400	1290	88,220	200	200	1200	240
Griggs	50,500	50,100	1130	56,610	1,500	1,500	1000	1,500
Steele	35,000	35,000	1180	41,300	2,000	2,000	1220	2,440
Traill	6,200	6,000	1270	7,620	800	800	1200	960
East Central	292,000	291,000	1140	331,800	8,000	8,000	1150	9,200
Adams	30,000	30,000	950	28,490	—	—	—	—
Billings	1,700	1,700	750	1,270	300	300	870	260
Bowman	11,600	11,600	750	8,700	400	400	900	360
Golden Valley	2,100	2,100	590	1,240	900	900	800	720
Hettinger	78,300	77,600	1110	86,110	400	400	900	360
Slope	10,000	10,000	1000	10,000	—	—	—	—
Stark	24,000	24,000	950	22,790	—	—	—	—
Southwest	158,000	157,000	1010	158,600	2,000	2,000	850	1,700
Burleigh	40,500	38,500	750	28,860	1,500	1,500	640	960
Emmons	16,500	16,000	980	15,670	—	—	—	—
Grant	29,000	28,500	920	26,210	6,000	6,000	750	4,500
Morton	25,000	24,500	780	19,100	2,500	2,500	660	1,640
Sioux	4,000	3,500	960	3,360	—	—	—	—
South Central	115,000	111,000	840	93,200	10,000	10,000	710	7,100
Dickey	67,000	66,500	910	60,520	3,000	3,000	920	2,760
LaMoure	101,000	101,000	1040	105,050	4,000	4,000	1090	4,340
Logan	19,000	19,000	680	12,920	—	—	—	—
McIntosh	31,000	31,000	860	26,660	—	—	—	—
Ransom	38,000	37,500	1110	41,630	4,000	4,000	1000	4,000
Richland	31,500	31,000	1160	35,980	1,500	1,500	1300	1,950
Sargent	42,500	42,000	1080	45,360	7,500	7,500	900	6,750
Southeast	330,000	328,000	1000	328,100	20,000	20,000	990	19,800
STATE	2,630,000	2,600,000	970	2,522,000	220,000	217,000	1050	227,860

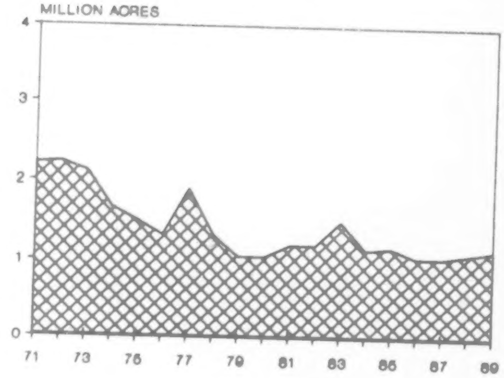
June 1990

OATS

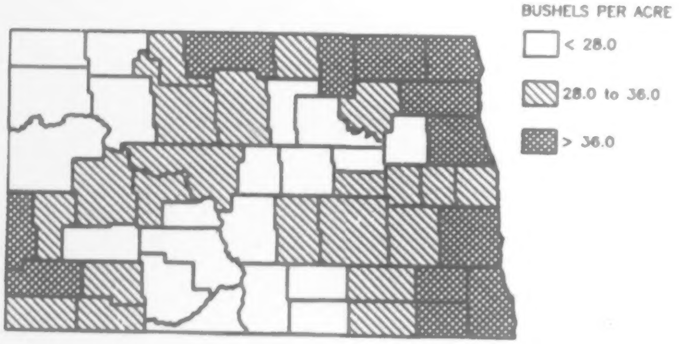
PRODUCTION
NORTH DAKOTA, 1989



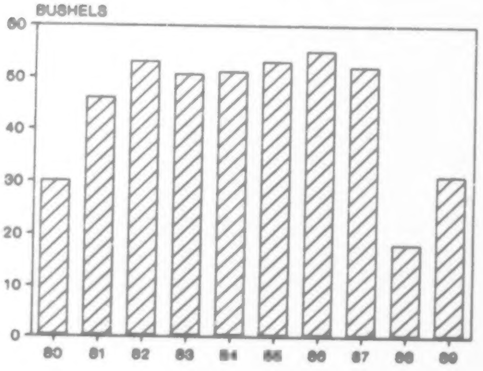
PLANTED ACRES
NORTH DAKOTA, 1971 - 89



YIELD PER HARVESTED ACRE
NORTH DAKOTA, 1989



YIELD PER HARVESTED ACRE
NORTH DAKOTA, 1980 - 89



North Dakota, 1980-89

Year	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
	(Acres)	(Acres)	(Bu.)	(Bu.)	($/Bu.)	(Dols.)	(Dols.)
1980	1,050,000	450,000	30.0	13,500,000	1.78	24,030,000	53.40
1981	1,200,000	960,000	46.0	44,160,000	1.65	72,864,000	75.90
1982	1,200,000	1,050,000	53.0	55,650,000	1.19	66,224,000	63.07
1983	1,500,000	1,260,000	50.5	63,630,000	1.37	87,173,000	69.18
1984	1,150,000	980,000	51.0	49,980,000	1.42	70,972,000	72.42
1985	1,175,000	840,000	53.0	44,520,000	1.05	46,746,000	55.65
1986	1,050,000	700,000	55.0	38,500,000	1.20	46,200,000	66.00
1987	1,050,000	700,000	52.0	36,400,000	1.57	57,148,000	81.64
1988	1,100,000	400,000	18.0	7,200,000	2.34	16,848,000	42.12
1989	1,150,000	650,000	31.0	20,150,000	1.20	24,180,000	37.20

OATS
North Dakota, 1989 and 1988

District and County	1989				1988			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	15,000	9,500	22.5	214,000	19,000	11,500	30.9	355,000
Divide	13,000	10,500	19.0	200,000	18,000	11,000	19.0	209,000
Mountrail	20,000	14,000	25.0	350,000	26,500	16,000	19.5	312,000
Renville	18,000	15,500	30.5	473,000	23,500	16,500	23.0	380,000
Ward	42,000	34,500	33.5	1,157,000	50,000	31,000	16.5	512,000
Williams	22,000	16,000	16.0	256,000	23,000	10,000	16.0	160,000
Northwest	130,000	100,000	26.5	2,650,000	160,000	96,000	20.1	1,928,000
Benson	22,000	11,500	23.5	270,000	17,000	6,500	13.5	88,000
Bottineau	25,000	20,500	42.0	861,000	27,500	21,500	27.1	582,000
McHenry	39,000	30,000	28.0	840,000	32,500	17,500	15.5	271,000
Pierce	22,000	14,000	26.0	364,000	15,000	6,000	13.0	78,000
Rolette	12,000	10,000	33.5	335,000	8,000	5,500	22.0	121,000
North Central	120,000	86,000	31.0	2,670,000	100,000	57,000	20.0	1,140,000
Cavalier	9,000	8,000	43.5	348,000	7,000	5,400	23.5	127,000
Grand Forks	6,000	5,000	40.0	200,000	6,000	4,300	27.0	116,000
Nelson	9,000	8,000	27.0	216,000	11,500	8,800	25.5	224,000
Pembina	4,500	4,000	56.0	224,000	3,000	2,200	23.2	51,000
Ramsey	8,000	7,000	33.0	231,000	7,500	6,200	25.0	155,000
Towner	6,000	3,500	42.0	147,000	7,500	5,300	20.0	106,000
Walsh	7,500	6,500	42.0	273,000	7,500	5,800	26.0	151,000
Northeast	50,000	42,000	39.0	1,639,000	50,000	38,000	24.5	930,000
Dunn	53,000	22,500	29.0	652,000	45,500	5,500	14.0	77,000
McKenzie	25,000	8,500	27.1	230,000	26,500	2,500	20.0	50,000
McLean	45,000	33,000	31.5	1,040,000	66,000	36,000	14.0	504,000
Mercer	35,000	13,500	33.5	452,000	33,000	6,500	17.5	114,000
Oliver	22,000	7,500	23.5	176,000	19,000	4,500	11.8	53,000
West Central	180,000	85,000	30.0	2,550,000	190,000	55,000	14.5	798,000
Eddy	15,000	10,500	21.5	226,000	14,000	10,000	21.0	210,000
Foster	14,000	10,500	32.0	336,000	17,500	11,200	23.0	258,000
Kidder	32,000	4,000	32.5	130,000	23,000	1,000	15.0	15,000
Sheridan	19,000	7,500	24.4	183,000	17,500	7,300	11.5	84,000
Stutsman	37,000	23,000	32.0	736,000	38,500	15,000	16.0	240,000
Wells	18,000	9,500	22.0	209,000	24,500	11,500	15.0	173,000
Central	135,000	65,000	28.0	1,820,000	135,000	56,000	17.5	980,000
Barnes	18,000	14,300	33.5	479,000	12,500	5,000	21.0	105,000
Cass	9,000	8,000	45.0	360,000	7,000	5,000	18.0	90,000
Griggs	8,000	5,700	29.5	168,000	7,500	5,800	25.5	148,000
Steele	3,000	2,200	30.5	67,000	2,000	1,700	26.5	45,000
Traill	2,000	1,800	33.9	61,000	1,000	500	34.0	17,000
East Central	40,000	32,000	35.5	1,135,000	30,000	18,000	22.5	405,000
Adams	17,000	13,500	32.5	439,000	19,000	3,000	10.0	30,000
Billings	15,000	7,000	31.0	217,000	12,000	1,300	11.5	15,000
Bowman	16,000	11,000	35.5	390,000	13,500	1,700	14.7	25,000
Golden Valley	11,000	8,500	44.0	374,000	11,000	2,500	12.0	30,000
Hettinger	28,000	18,000	28.0	504,000	34,000	13,500	10.5	142,000
Slope	13,000	8,500	39.5	336,000	9,500	3,500	10.0	35,000
Stark	45,000	16,500	24.0	396,000	41,000	8,500	11.5	98,000
Southwest	145,000	83,000	32.0	2,656,000	140,000	34,000	11.0	375,000
Burleigh	47,000	12,000	24.0	288,000	38,000	3,000	8.0	24,000
Emmons	54,000	8,000	24.5	196,000	49,000	2,000	6.5	13,000
Grant	42,000	14,000	19.0	266,000	33,000	5,000	15.0	75,000
Morton	50,000	13,500	20.0	270,000	36,000	2,000	12.5	25,000
Sioux	17,000	4,500	16.0	72,000	14,000	1,000	12.0	12,000
South Central	210,000	52,000	21.0	1,092,000	170,000	13,000	11.5	149,000
Dickey	22,000	16,500	36.0	594,000	19,000	4,000	8.0	32,000
LaMoure	29,000	25,500	36.0	918,000	25,000	7,200	12.5	90,000
Logan	17,000	7,000	24.0	168,000	18,000	2,500	20.0	50,000
McIntosh	35,000	21,000	22.0	462,000	29,000	1,500	12.0	18,000
Ransom	13,000	12,000	47.5	570,000	12,500	5,100	18.0	92,000
Richland	12,000	11,500	51.6	593,000	11,500	7,500	21.5	161,000
Sargent	12,000	11,500	55.0	633,000	10,000	5,200	10.0	52,000
Southeast	140,000	105,000	37.5	3,938,000	125,000	33,000	15.0	495,000
STATE	1,150,000	650,000	31.0	20,150,000	1,100,000	400,000	18.0	7,200,000

OATS
North Dakota, 1987 and 1986

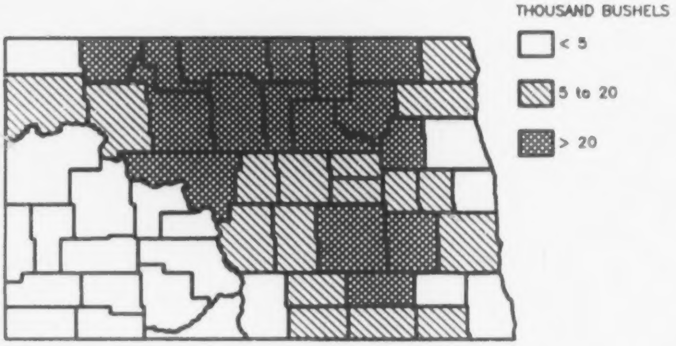
District and County	1987				1986			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	11,000	8,500	53.5	455,000	14,000	10,000	57.0	570,000
Divide	9,500	7,500	56.0	420,000	12,000	7,400	60.0	444,000
Mountrail	25,500	17,000	43.5	740,000	21,000	12,600	66.0	831,000
Renville	14,000	9,000	44.8	403,000	18,000	14,500	73.5	1,066,000
Ward	28,000	21,000	45.0	945,000	37,000	30,000	69.0	2,070,000
Williams	17,000	11,000	40.0	440,000	18,000	10,500	68.0	714,000
Northwest	105,000	74,000	46.0	3,403,000	120,000	85,000	67.0	5,695,000
Benson	19,000	15,000	54.0	810,000	13,000	10,500	44.0	462,000
Bottineau	23,500	18,000	49.0	882,000	15,000	12,500	68.5	856,000
McHenry	40,000	30,000	44.5	1,335,000	40,000	31,500	51.2	1,612,000
Pierce	16,000	12,000	44.0	528,000	16,000	12,500	49.0	613,000
Rolette	6,500	5,000	49.0	245,000	6,000	4,000	55.5	222,000
North Central	105,000	80,000	47.5	3,800,000	90,000	71,000	53.0	3,765,000
Cavalier	4,000	3,000	72.0	216,000	4,000	3,000	76.0	228,000
Grand Forks	4,500	3,500	72.0	252,000	7,000	5,000	64.0	320,000
Nelson	8,000	6,000	60.0	360,000	7,000	5,500	55.3	304,000
Pembina	3,000	2,500	62.0	155,000	4,000	3,000	60.0	180,000
Ramsey	2,500	2,000	73.0	146,000	4,000	3,000	63.0	189,000
Towner	3,000	2,000	60.5	121,000	3,000	1,500	54.0	81,000
Walsh	5,000	3,000	71.0	213,000	6,000	4,000	74.5	298,000
Northeast	30,000	22,000	66.5	1,463,000	35,000	25,000	64.0	1,600,000
Dunn	47,500	24,000	46.0	1,104,000	45,000	25,000	56.0	1,400,000
McKenzie	27,500	13,000	48.0	624,000	25,000	13,000	56.0	728,000
McLean	57,000	39,500	50.0	1,975,000	40,000	32,000	59.0	1,888,000
Mercer	37,000	20,000	51.3	1,025,000	37,000	23,000	61.4	1,412,000
Oliver	21,000	12,500	49.0	613,000	23,000	17,000	56.0	952,000
West Central	190,000	109,000	49.0	5,341,000	170,000	110,000	58.0	6,380,000
Eddy	13,500	10,500	54.0	567,000	13,000	9,500	52.5	499,000
Foster	11,500	9,500	56.0	532,000	10,000	5,200	63.5	330,000
Kidder	29,500	21,000	49.0	1,029,000	30,000	21,000	44.9	943,000
Sheridan	19,500	12,500	49.7	621,000	18,000	13,000	48.0	624,000
Stutsman	32,500	25,500	65.5	1,670,000	30,000	22,300	58.5	1,305,000
Wells	13,500	10,000	56.5	565,000	14,000	9,000	51.0	459,000
Central	120,000	89,000	56.0	4,984,000	115,000	80,000	52.0	4,160,000
Barnes	14,000	9,500	58.0	551,000	11,000	7,800	61.5	480,000
Cass	8,000	6,500	72.0	468,000	6,000	4,500	78.0	351,000
Griggs	7,500	5,500	46.0	253,000	11,000	6,200	51.5	319,000
Steele	3,500	2,000	63.0	126,000	3,000	2,800	60.0	168,000
Traill	2,000	1,500	68.0	102,000	4,000	2,700	63.0	170,000
East Central	35,000	25,000	60.0	1,500,000	35,000	24,000	62.0	1,488,000
Adams	13,500	9,000	46.0	414,000	23,000	14,000	46.0	644,000
Billings	18,000	10,500	45.5	478,000	16,000	9,500	56.0	532,000
Bowman	13,000	6,500	46.0	299,000	20,000	9,200	41.5	382,000
Golden Valley	12,500	8,000	52.0	416,000	11,000	5,800	39.0	226,000
Hettinger	34,000	26,500	54.5	1,444,000	20,000	14,000	48.0	672,000
Slope	9,500	5,500	46.7	257,000	12,000	6,700	47.0	315,000
Stark	49,500	27,000	48.0	1,296,000	48,000	30,800	50.3	1,549,000
Southwest	150,000	93,000	49.5	4,604,000	150,000	90,000	48.0	4,320,000
Burleigh	43,500	27,500	50.5	1,388,000	40,000	29,000	50.5	1,465,000
Emmons	45,000	29,000	53.5	1,551,000	55,000	29,000	43.5	1,262,000
Grant	39,500	24,000	52.0	1,248,000	40,000	22,000	57.0	1,254,000
Morton	47,500	29,000	54.0	1,566,000	60,000	36,000	58.3	2,098,000
Sioux	14,500	7,500	42.5	319,000	15,000	9,000	47.0	423,000
South Central	190,000	117,000	51.9	6,072,000	210,000	125,000	52.0	6,502,000
Dickey	19,000	14,500	52.5	761,000	18,000	13,000	48.0	624,000
LaMoure	23,500	20,000	66.4	1,327,000	20,000	12,400	61.5	763,000
Logan	19,000	9,500	56.0	532,000	19,000	11,600	49.0	568,000
McIntosh	26,000	17,500	48.5	849,000	35,000	26,500	41.4	1,098,000
Ransom	14,000	10,500	55.5	583,000	12,000	10,400	61.0	634,000
Richland	13,500	11,000	65.5	721,000	12,000	8,700	57.0	496,000
Sargent	10,000	8,000	57.5	460,000	9,000	7,400	55.0	407,000
Southeast	125,000	91,000	57.5	5,233,000	125,000	90,000	51.0	4,590,000
STATE	1,050,000	700,000	52.0	36,400,000	1,050,000	700,000	55.0	38,500,000

OATS
North Dakota, 1985 and 1984

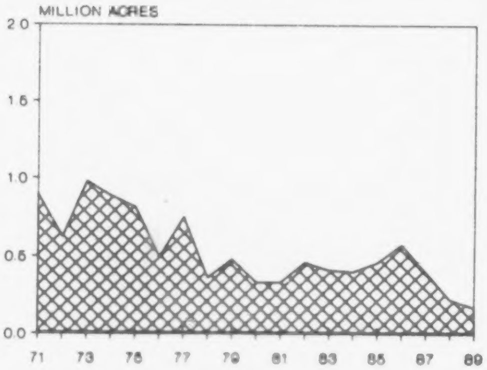
District and County	1985				1984			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	14,000	11,000	45.5	501,000	18,500	17,000	38.5	655,000
Divide	13,000	6,700	20.0	134,000	16,500	13,500	27.0	365,000
Mountrail	20,000	11,300	47.5	537,000	33,000	24,500	38.5	943,000
Renville	21,000	18,400	74.0	1,361,000	24,500	23,500	52.5	1,234,000
Ward	46,000	43,000	66.4	2,857,000	50,000	48,000	51.5	2,474,000
Williams	21,000	11,600	19.0	220,000	22,500	13,500	31.0	419,000
Northwest	135,000	102,000	55.0	5,610,000	165,000	140,000	43.5	6,090,000
Benson	17,000	12,700	50.0	635,000	13,000	11,600	43.0	499,000
Bottineau	19,000	17,900	66.5	1,190,000	19,000	17,500	40.0	700,000
McHenry	43,000	36,500	59.8	2,181,000	40,000	38,000	40.0	1,520,000
Pierce	20,000	16,400	43.0	705,000	22,000	20,500	41.5	851,000
Rolette	6,000	4,500	58.0	261,000	6,000	5,400	36.5	197,000
North Central	105,000	88,000	56.5	4,972,000	100,000	93,000	40.5	3,767,000
Cavalier	3,500	3,000	70.0	210,000	4,000	3,700	63.0	233,000
Grand Forks	7,000	6,700	66.0	442,000	7,500	7,300	67.0	489,000
Nelson	11,500	11,200	54.1	606,000	10,500	9,600	63.3	608,000
Pembina	4,000	3,700	65.9	244,000	4,500	4,200	64.0	269,000
Ramsey	4,500	3,900	70.0	273,000	4,500	4,300	64.0	275,000
Towner	2,500	1,800	47.2	85,000	3,000	2,500	57.2	143,000
Walsh	7,000	5,700	58.9	336,000	6,000	4,900	65.1	319,000
Northeast	40,000	36,000	61.0	2,196,000	40,000	36,500	64.0	2,336,000
Dunn	48,000	19,000	45.0	855,000	44,000	29,500	50.5	1,490,000
McKenzie	25,000	7,000	28.6	200,000	22,000	9,500	41.5	394,000
McLean	45,000	41,000	58.6	2,404,000	47,000	42,000	48.8	2,048,000
Mercer	39,000	25,000	67.0	1,675,000	36,000	26,000	40.5	1,053,000
Oliver	23,000	18,000	57.0	1,026,000	21,000	18,000	46.0	828,000
West Central	180,000	110,000	56.0	6,160,000	170,000	125,000	46.5	5,813,000
Eddy	17,500	16,000	46.5	744,000	15,000	14,900	49.0	730,000
Foster	10,000	9,200	55.0	506,000	9,000	8,600	54.0	464,000
Kidder	36,000	25,200	38.0	958,000	34,000	29,000	46.5	1,349,000
Sheridan	20,000	17,600	52.5	924,000	17,500	13,000	42.0	546,000
Stutsman	31,000	24,000	50.8	1,220,000	34,000	31,000	61.8	1,915,000
Wells	15,500	13,000	57.0	741,000	15,500	13,500	53.0	716,000
Central	130,000	105,000	48.5	5,093,000	125,000	110,000	52.0	5,720,000
Barnes	15,000	11,000	58.0	638,000	14,000	13,500	67.5	911,000
Cass	8,000	7,800	81.9	639,000	6,500	6,300	71.9	453,000
Griggs	11,000	10,200	59.0	602,000	10,000	9,300	50.5	470,000
Steele	3,500	3,500	71.4	250,000	2,500	2,400	65.0	156,000
Traill	2,500	2,500	72.4	181,000	2,000	2,000	60.5	121,000
East Central	40,000	35,000	66.0	2,310,000	35,000	33,500	63.0	2,111,000
Adams	25,000	17,500	42.5	744,000	25,000	23,000	50.5	1,162,000
Billings	16,000	2,600	25.0	65,000	11,000	5,500	38.5	212,000
Bowman	20,000	5,300	40.0	212,000	23,000	17,500	45.0	788,000
Golden Valley	15,000	7,500	29.5	221,000	14,000	9,500	33.5	318,000
Hettinger	25,000	19,500	48.0	936,000	21,000	18,500	53.0	981,000
Slope	12,000	4,800	43.1	207,000	14,000	11,000	42.0	462,000
Stark	52,000	33,800	50.6	1,710,000	47,000	42,000	48.7	2,046,000
Southwest	165,000	91,000	45.0	4,095,000	155,000	127,000	47.0	5,969,000
Burleigh	45,000	32,400	47.2	1,528,000	38,000	31,000	46.0	1,426,000
Emmons	60,000	33,700	41.5	1,399,000	58,000	48,000	59.4	2,851,000
Grant	40,000	28,400	50.0	1,420,000	43,000	33,000	49.5	1,634,000
Morton	60,000	34,300	50.8	1,741,000	57,000	48,000	48.0	2,304,000
Sioux	15,000	5,200	40.4	210,000	14,000	10,000	54.0	540,000
South Central	220,000	134,000	47.0	6,298,000	210,000	170,000	51.5	8,755,000
Dickey	22,000	20,600	54.5	1,123,000	20,000	19,500	63.0	1,229,000
LaMoure	25,000	22,400	52.0	1,165,000	24,000	23,500	66.0	1,551,000
Logan	20,000	15,500	47.5	736,000	22,500	21,000	61.5	1,292,000
McIntosh	40,000	30,500	41.0	1,251,000	38,000	37,000	61.3	2,267,000
Ransom	18,000	15,900	68.5	1,089,000	16,500	16,000	68.5	1,096,000
Richland	20,000	19,600	78.4	1,537,000	16,000	15,500	80.0	1,240,000
Sargent	15,000	14,500	61.0	885,000	13,000	12,500	59.5	744,000
Southeast	160,000	139,000	56.0	7,786,000	150,000	145,000	65.0	9,419,000
STATE	1,175,000	840,000	53.0	44,520,000	1,150,000	980,000	51.0	49,980,000

FLAXSEED

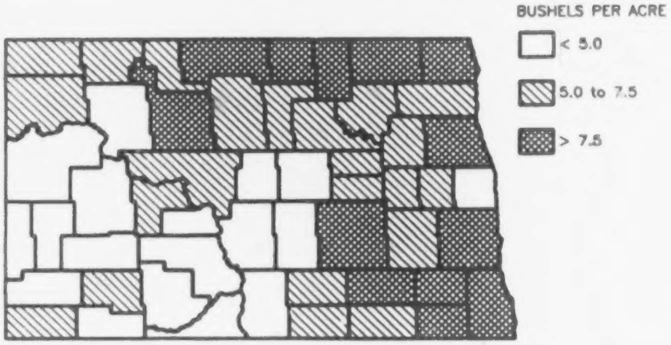
PRODUCTION
NORTH DAKOTA, 1989



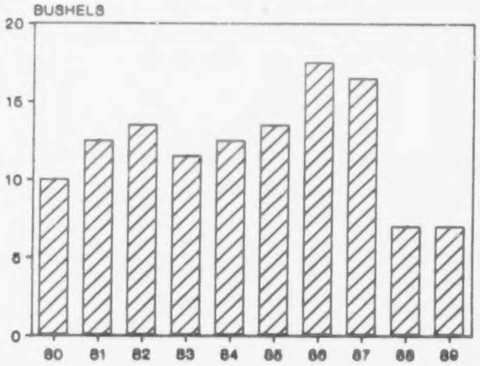
PLANTED ACRES
NORTH DAKOTA, 1971 - 89



YIELD PER HARVESTED ACRE
NORTH DAKOTA, 1989



YIELD PER HARVESTED ACRE
NORTH DAKOTA, 1980 - 89



North Dakota, 1980-89

Year	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
	(Acres)	(Acres)	(Bu.)	(Bu.)	($/Bu.)	(Dols.)	(Dols.)
1980	330,000	270,000	10.0	2,700,000	7.18	19,386,000	71.80
1981	330,000	320,000	12.5	4,000,000	6.57	26,280,000	82.13
1982	460,000	435,000	13.5	5,873,000	5.14	30,187,000	69.40
1983	410,000	400,000	11.5	4,600,000	6.83	31,418,000	78.55
1984	400,000	390,000	12.5	4,875,000	6.07	29,591,000	75.87
1985	460,000	445,000	13.5	6,008,000	5.00	30,040,000	67.51
1986	575,000	545,000	17.5	9,538,000	3.45	32,906,000	60.38
1987	400,000	395,000	16.5	6,518,000	3.39	22,096,000	55.94
1988	220,000	185,000	7.0	1,295,000	7.54	9,764,000	52.78
1989	170,000	140,000	7.0	980,000	7.30	7,154,000	51.10

FLAXSEED
North Dakota, 1989 and 1988

District and County	1989				1988			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	4,000	3,800	5.5	20,900	8,500	8,400	10.5	88,200
Divide	1,000	800	6.0	4,800	600	600	10.0	6,000
Mountrail	2,000	1,800	4.5	8,100	3,300	2,900	10.0	29,000
Renville	5,000	4,700	7.5	35,300	13,000	12,500	9.0	112,500
Ward	11,000	10,300	8.0	82,200	22,000	21,500	6.1	131,200
Williams	1,500	1,400	5.5	7,700	600	600	8.5	5,100
Northwest	24,500	22,800	7.0	159,000	48,000	46,500	8.0	372,000
Benson	8,000	7,500	6.5	48,800	6,300	3,600	6.0	21,600
Bottineau	7,000	6,900	8.6	59,400	12,500	11,000	8.8	97,200
McHenry	5,500	4,900	6.0	29,400	6,200	6,000	5.0	30,000
Pierce	7,000	6,000	6.0	36,000	5,500	3,800	4.0	15,200
Rolette	2,500	2,400	8.5	20,400	4,000	3,600	5.0	18,000
North Central	30,000	27,700	7.0	194,000	34,500	28,000	6.5	182,000
Cavalier	11,500	11,400	8.5	97,000	21,000	20,500	8.0	164,000
Grand Forks	500	500	8.0	4,000	600	600	8.0	4,800
Nelson	5,500	5,200	7.5	39,000	5,600	5,500	7.5	41,300
Pembina	1,200	1,000	15.0	15,000	2,300	2,100	10.0	21,000
Ramsey	11,000	10,900	7.3	80,000	14,000	13,500	7.9	106,700
Towner	6,500	6,400	8.0	51,200	11,000	10,500	8.0	84,000
Walsh	2,800	2,600	6.5	16,800	3,000	2,800	6.5	18,200
Northeast	39,000	38,000	8.0	303,000	57,500	55,500	7.9	440,000
Dunn	—	—	—	—	400	200	5.0	1,000
McKenzie	700	400	4.0	1,600	100	100	5.0	500
McLean	9,500	8,100	5.6	45,600	13,000	11,000	6.1	67,100
Mercer	600	500	6.6	3,300	900	400	4.0	1,600
Oliver	700	500	3.0	1,500	1,100	800	6.0	4,800
West Central	11,500	9,500	5.5	52,000	15,500	12,500	6.0	75,000
Eddy	1,300	1,200	6.0	7,200	1,600	1,500	6.0	9,000
Foster	1,200	1,100	6.5	7,100	1,900	1,800	5.0	9,000
Kidder	4,000	1,600	4.5	7,200	1,800	1,200	7.5	9,000
Sheridan	7,000	4,500	4.0	18,000	5,200	3,600	5.0	18,000
Stutsman	9,500	7,500	8.2	61,300	11,500	7,400	4.9	36,000
Wells	6,000	3,600	4.5	16,200	6,000	3,500	4.0	14,000
Central	29,000	19,500	6.0	117,000	28,000	19,000	5.0	95,000
Barnes	4,300	3,600	6.0	21,600	6,600	4,500	8.0	36,000
Cass	600	600	9.5	5,700	1,300	1,000	8.0	8,000
Griggs	1,800	1,400	6.0	8,400	1,800	1,500	6.5	9,800
Steele	2,300	1,900	7.0	13,300	1,300	1,000	10.2	10,200
Traill	—	—	—	—	—	—	—	—
East Central	9,000	7,500	6.5	49,000	11,000	8,000	8.0	64,000
Adams	—	—	—	—	200	200	5.0	1,000
Billings	100	—	—	—	100	100	5.0	500
Bowman	300	200	6.5	1,300	700	600	5.0	3,000
Golden Valley	—	—	—	—	—	—	—	—
Hettinger	400	400	6.0	2,400	200	200	5.0	1,000
Slope	—	—	—	—	—	—	—	—
Stark	700	400	4.5	1,800	800	400	5.0	2,000
Southwest	1,500	1,000	5.5	5,500	2,000	1,500	5.0	7,500
Burleigh	3,700	1,400	4.2	5,900	3,000	2,200	2.5	5,500
Emmons	5,000	1,000	2.5	2,500	6,000	2,500	3.5	8,800
Grant	500	200	3.5	700	300	200	4.0	800
Morton	1,200	400	3.5	1,400	1,600	1,000	4.0	4,000
Sioux	100	—	—	—	100	100	4.0	400
South Central	10,500	3,000	3.5	10,500	11,000	6,000	3.3	19,500
Dickey	1,200	1,100	7.5	8,300	1,000	800	3.5	2,800
LaMoure	4,400	4,100	9.5	38,900	3,700	3,300	5.3	17,500
Logan	3,500	2,100	6.0	12,500	3,000	2,000	5.1	10,200
McIntosh	4,800	2,700	6.0	16,200	3,800	1,300	4.5	5,900
Ransom	200	100	13.0	1,300	400	200	5.0	1,000
Richland	400	400	12.0	4,800	300	200	7.0	1,400
Sargent	500	500	16.0	8,000	300	200	6.0	1,200
Southeast	15,000	11,000	8.2	90,000	12,500	8,000	5.0	40,000
STATE	170,000	140,000	7.0	980,000	220,000	185,000	7.0	1,295,000

FLAXSEED
North Dakota, 1987 and 1986

District and County	1987				1986			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	9,600	9,500	19.0	180,500	5,000	4,600	21.0	96,600
Divide	1,100	1,100	20.0	22,000	3,000	2,000	15.0	30,000
Mountrail	8,400	8,400	15.0	126,000	5,000	4,800	16.5	79,200
Renville	22,500	22,300	18.0	401,000	16,000	16,000	22.0	352,000
Ward	22,500	22,300	17.4	387,600	28,000	25,000	19.0	476,000
Williams	1,400	1,400	16.0	22,400	2,000	1,600	12.0	19,200
Northwest	65,500	65,000	17.5	1,139,500	59,000	54,000	19.5	1,053,000
Benson	17,500	17,500	16.5	289,000	22,000	20,800	20.0	416,000
Bottineau	16,500	16,000	18.0	288,000	21,500	20,400	18.0	367,200
McHenry	14,500	14,500	15.0	218,000	16,000	15,500	13.8	214,000
Pierce	14,000	14,000	13.5	189,000	19,500	19,000	15.0	285,000
Rolette	7,500	7,500	17.0	127,500	9,000	8,800	21.0	184,800
North Central	70,000	69,500	16.0	1,111,500	88,000	84,500	17.4	1,467,000
Cavalier	23,500	23,000	22.5	517,500	28,000	27,500	23.8	655,000
Grand Forks	2,500	2,500	14.0	35,000	8,000	7,600	18.0	136,800
Nelson	13,000	13,000	16.5	214,500	20,000	17,500	18.0	315,000
Pembina	4,500	4,500	19.0	85,500	9,000	8,800	23.0	202,400
Ramsey	19,000	18,500	19.0	351,500	30,000	27,000	19.0	513,000
Towner	23,500	23,500	18.0	423,000	28,000	27,000	19.0	513,000
Walsh	7,500	7,500	19.5	146,000	12,000	11,600	23.0	266,800
Northeast	93,500	92,500	19.2	1,773,000	135,000	127,000	20.5	2,602,000
Dunn	500	500	13.0	6,500	500	500	12.0	6,000
McKenzie	200	200	13.0	2,600	1,000	800	10.0	8,000
McLean	22,500	22,500	18.0	406,000	31,500	30,800	17.1	525,400
Mercer	2,300	1,800	16.5	29,700	2,500	2,500	17.0	42,500
Oliver	3,500	3,500	15.5	54,200	4,500	4,400	14.0	61,600
West Central	29,000	28,500	17.5	499,000	40,000	39,000	16.5	643,500
Eddy	5,300	5,000	14.5	72,500	7,000	6,800	13.0	88,400
Foster	2,200	2,200	16.0	35,200	5,500	5,200	18.0	93,600
Kidder	5,000	5,000	12.5	62,500	9,000	9,000	14.5	130,500
Sheridan	12,500	12,500	14.0	175,000	17,000	16,600	18.0	298,800
Stutsman	18,000	17,500	16.5	288,800	26,000	24,400	16.0	390,700
Wells	11,500	11,300	15.0	169,500	20,500	20,000	15.5	310,000
Central	54,500	53,500	15.0	803,500	85,000	82,000	16.0	1,312,000
Barnes	12,500	12,300	16.0	196,600	25,000	24,800	18.1	449,900
Cass	2,200	2,200	17.0	37,400	6,000	6,000	24.0	144,000
Griggs	5,300	5,200	12.5	65,000	13,500	13,200	18.0	237,600
Steele	6,000	5,800	12.5	72,500	14,500	14,000	21.5	301,000
Traill	500	500	13.0	6,500	1,000	1,000	18.0	18,000
East Central	26,500	26,000	14.5	378,000	60,000	59,000	19.5	1,150,500
Adams	300	300	17.7	5,300	500	300	9.0	2,700
Billings	100	100	18.0	1,800	200	200	8.0	1,600
Bowman	100	100	16.0	1,600	400	200	5.0	1,000
Golden Valley	---	---	---	---	---	---	---	---
Hettinger	2,500	2,500	14.5	36,300	2,700	2,500	11.0	27,500
Slope	100	100	13.0	1,300	400	400	10.0	4,000
Stark	2,900	2,900	13.0	37,700	1,800	1,400	13.0	18,200
Southwest	6,000	6,000	14.0	84,000	6,000	5,000	11.0	55,000
Burleigh	9,500	9,500	13.5	128,000	17,000	15,200	12.0	182,500
Emmons	11,500	11,500	14.0	161,000	15,500	14,000	11.0	154,000
Grant	800	800	13.0	10,400	700	500	15.0	7,500
Morton	1,500	1,500	11.0	16,500	4,000	3,500	16.0	56,000
Sioux	200	200	10.5	2,100	800	800	10.0	8,000
South Central	23,500	23,500	13.5	318,000	38,000	34,000	12.0	408,000
Dickey	2,000	2,000	11.5	23,000	8,000	7,600	13.0	98,800
LaMoure	10,500	10,200	15.5	158,100	20,000	18,200	15.2	277,300
Logan	5,500	5,400	15.0	81,000	12,500	12,200	16.0	195,200
McIntosh	9,500	9,000	11.5	103,500	16,000	15,200	10.0	152,000
Ransom	2,000	1,900	11.5	21,900	2,700	2,600	17.0	44,200
Richland	700	700	12.0	8,400	1,800	1,800	20.0	36,000
Sargent	1,300	1,300	12.0	15,600	3,000	2,900	15.0	43,500
Southeast	31,500	30,500	13.5	411,500	64,000	60,500	14.0	847,000
STATE	400,000	395,000	16.5	6,518,000	575,000	545,000	17.5	9,538,000

FLAXSEED
North Dakota, 1985 and 1984

District and County	1985				1984			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	1,700	1,500	12.2	18,300	2,800	2,700	7.5	20,300
Divide	1,500	900	12.4	11,200	2,000	1,300	8.0	10,400
Mountrail	2,000	1,700	11.5	19,600	2,000	1,400	6.0	8,400
Renville	7,100	7,000	17.3	121,100	8,600	8,000	10.0	80,000
Ward	13,500	13,500	16.4	221,400	14,000	13,500	9.2	124,800
Williams	1,200	1,200	6.9	8,300	600	600	6.0	3,600
Northwest	27,000	25,800	15.5	399,900	30,000	27,500	9.0	247,500
Benson	19,500	18,600	13.0	241,800	17,000	17,000	11.0	187,000
Bottineau	15,000	14,000	13.0	182,100	14,500	13,200	10.5	138,600
McHenry	11,000	10,600	14.0	148,400	12,000	10,800	8.5	91,800
Pierce	17,500	17,000	10.6	181,000	16,500	16,500	10.8	178,900
Rolette	4,000	3,800	12.3	46,700	5,000	5,000	12.0	60,000
North Central	67,000	64,000	12.5	800,000	65,000	62,500	10.5	656,300
Cavalier	25,000	24,500	21.5	526,800	20,500	20,500	20.5	420,300
Grand Forks	4,000	4,000	18.0	72,000	3,000	3,000	14.0	42,000
Nelson	13,000	12,500	13.6	170,000	8,500	8,500	12.5	106,300
Pembina	5,000	4,900	24.5	120,000	3,000	3,000	22.5	67,500
Ramsey	26,500	25,500	16.8	428,800	18,500	18,000	16.5	297,000
Towner	21,000	20,500	17.0	348,500	20,500	20,000	14.7	293,000
Walsh	8,500	8,100	17.0	137,700	6,000	6,000	16.0	96,000
Northeast	103,000	100,000	18.0	1,803,800	80,000	79,000	16.7	1,322,100
Dunn	500	500	9.0	4,500	300	200	8.0	1,600
McKenzie	---	---	---	---	---	---	---	---
McLean	24,000	24,000	13.6	325,700	24,000	23,000	9.3	213,900
Mercer	2,500	2,400	12.8	30,700	4,500	4,500	7.5	33,800
Oliver	4,500	4,500	10.5	47,300	6,200	5,800	9.0	52,200
West Central	31,500	31,400	13.0	408,200	35,000	33,500	9.0	301,500
Eddy	5,800	5,700	10.6	60,400	4,200	4,200	8.5	35,700
Foster	6,200	6,100	11.4	69,500	4,800	4,700	13.0	61,100
Kidder	8,500	8,000	9.0	72,000	10,000	9,800	10.5	102,900
Sheridan	15,000	14,700	15.5	227,900	12,500	12,500	10.0	125,000
Stutsman	33,000	32,500	9.8	319,000	22,000	21,800	13.0	282,600
Wells	20,500	20,000	11.8	236,000	11,500	11,500	14.5	166,700
Central	89,000	87,000	11.3	984,800	65,000	64,500	12.0	774,000
Barnes	20,000	19,500	14.2	276,700	14,000	14,000	18.8	263,800
Cass	5,500	5,500	14.0	77,000	3,200	3,200	18.5	59,200
Griggs	6,600	6,600	18.8	124,100	3,600	3,600	10.5	37,800
Steele	7,900	7,900	18.5	146,200	3,500	3,500	17.5	61,300
Traill	1,000	1,000	24.0	24,000	700	700	22.0	15,400
East Central	41,000	40,500	16.0	648,000	25,000	25,000	17.5	437,500
Adams	400	400	10.0	4,000	1,200	1,100	10.5	11,600
Billings	300	300	10.0	3,000	400	400	5.0	2,000
Bowman	400	400	8.0	3,200	700	600	6.0	3,600
Golden Valley	—	—	—	—	200	200	5.0	1,000
Hettinger	1,200	1,100	11.4	12,500	1,700	1,500	9.1	13,600
Slope	400	400	10.0	4,000	300	300	8.0	2,400
Stark	800	700	9.4	6,600	1,500	1,400	9.0	12,600
Southwest	3,500	3,300	10.1	33,300	6,000	5,500	8.5	46,800
Burleigh	14,500	14,000	10.2	142,900	15,000	14,800	9.0	133,200
Emmons	13,500	13,200	10.3	136,000	14,500	14,500	12.7	183,900
Grant	900	800	7.0	5,600	900	800	8.5	6,800
Morton	2,600	2,500	9.0	22,500	2,800	2,700	8.5	23,000
Sioux	500	500	6.0	3,000	800	700	7.0	4,900
South Central	32,000	31,000	10.0	310,000	34,000	33,500	10.5	351,800
Dickey	7,500	7,300	11.0	80,300	5,200	4,900	13.0	63,700
LaMoure	23,500	22,000	10.4	228,800	17,000	17,000	14.4	244,800
Logan	11,500	11,000	9.1	100,100	12,500	12,200	12.0	146,400
McIntosh	16,500	15,000	6.7	100,200	19,000	19,000	10.5	199,500
Ransom	2,800	2,600	14.0	36,400	2,500	2,400	14.5	34,800
Richland	1,800	1,800	19.5	35,100	1,500	1,400	12.0	16,800
Sargent	2,400	2,300	17.0	39,100	2,300	2,100	15.0	31,500
Southeast	66,000	62,000	10.0	620,000	60,000	59,000	12.5	737,500
STATE	460,000	445,000	13.5	6,008,000	400,000	390,000	12.5	4,875,000

RYE
North Dakota, 1989 and 1988

District and County	1989				1988			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	1,000	900	19.0	17,100	2,900	2,100	18.5	38,900
Divide	800	700	12.0	8,400	5,700	4,300	13.0	55,900
Mountrail	700	600	18.0	10,800	2,900	2,600	10.0	26,000
Renville	900	800	24.0	19,200	1,300	900	21.0	18,900
Ward	600	500	27.0	13,500	2,200	1,600	11.0	17,600
Williams	2,500	2,400	19.0	45,600	14,000	8,000	11.5	91,900
Northwest	6,500	5,900	19.4	114,600	29,000	19,500	12.8	249,200
Benson	300	200	32.5	6,500	1,700	1,200	10.5	12,600
Bottineau	3,600	3,500	30.0	105,000	6,400	6,100	18.5	112,900
McHenry	1,800	1,700	21.0	35,700	4,700	3,400	14.5	49,300
Pierce	1,200	1,100	22.0	24,200	3,200	2,500	16.0	40,000
Rolette	300	300	18.0	5,400	1,000	800	11.5	9,200
North Central	7,200	6,800	26.0	176,800	17,000	14,000	16.0	224,000
Cavalier	---	---	---	---	100	100	12.0	1,200
Grand Forks	200	200	18.5	3,700	300	200	13.5	2,700
Nelson	100	100	19.0	1,900	900	700	29.0	20,300
Pembina	100	100	23.0	2,300	300	200	21.5	4,300
Ramsey	---	---	---	---	300	300	28.0	8,400
Towner	700	700	22.0	15,400	1,200	700	12.0	8,400
Walsh	200	100	19.0	1,900	200	200	19.5	3,900
Northeast	1,300	1,200	21.0	25,200	3,300	2,400	20.5	49,200
Dunn	400	200	21.0	4,200	2,000	1,300	11.5	15,000
McKenzie	1,100	500	21.0	10,500	1,400	700	11.0	7,700
McLean	100	100	25.0	2,500	1,700	1,100	16.0	17,600
Mercer	300	200	20.0	4,000	800	500	16.0	8,000
Oliver	200	100	19.0	1,900	400	300	21.0	6,300
West Central	2,100	1,100	21.0	23,100	6,300	3,900	14.0	54,600
Eddy	600	500	25.0	12,500	1,800	1,100	18.0	19,800
Foster	1,000	900	24.0	21,600	1,600	1,300	24.5	31,900
Kidder	100	100	19.0	1,900	600	400	13.0	5,200
Sheridan	---	---	---	---	800	500	14.0	7,000
Stutsman	3,300	3,000	30.0	90,000	6,300	5,300	21.2	112,300
Wells	---	---	---	---	1,400	900	10.0	9,000
Central	5,000	4,500	28.0	126,000	12,500	9,500	19.5	185,200
Barnes	1,700	1,500	31.0	46,500	3,500	2,600	17.0	44,200
Cass	200	200	33.0	6,600	200	200	21.0	4,200
Griggs	---	---	---	---	100	100	13.0	1,300
Steele	100	100	27.0	2,700	100	100	13.0	1,300
Traill	---	---	---	---	---	---	---	---
East Central	2,000	1,800	31.0	55,800	3,900	3,000	17.0	51,000
Adams	100	100	18.0	1,800	4,100	2,400	11.0	26,400
Billings	300	200	22.0	4,400	600	200	11.5	2,300
Bowman	200	100	19.0	1,900	2,700	1,700	8.0	13,600
Golden Valley	100	100	25.0	2,500	200	200	7.0	1,400
Hettinger	200	100	20.0	2,000	9,300	6,200	14.5	89,900
Slope	500	200	20.0	4,000	4,100	3,000	15.0	45,000
Stark	200	100	23.0	2,300	3,000	1,300	7.0	9,100
Southwest	1,600	900	21.0	18,900	24,000	15,000	12.5	187,700
Burleigh	300	100	16.0	1,600	2,700	1,800	11.5	20,700
Emmons	400	100	15.0	1,500	1,400	1,100	9.0	9,900
Grant	700	300	17.0	5,100	4,800	3,300	12.5	41,200
Morton	600	300	18.0	5,400	1,400	400	11.0	4,400
Sioux	---	---	---	---	200	100	9.0	900
South Central	2,000	800	17.0	13,600	10,500	6,700	11.5	77,100
Dickey	7,200	7,000	36.0	252,000	7,800	5,600	14.5	81,200
LaMoure	4,700	3,500	33.0	115,500	7,500	5,200	19.0	98,800
Logan	300	100	17.0	1,700	600	400	15.0	6,000
McIntosh	800	500	16.0	8,000	2,800	1,200	13.5	16,200
Ransom	800	700	30.0	21,000	1,900	1,400	18.0	25,200
Richland	1,100	1,000	37.0	37,000	1,000	800	26.0	20,800
Sargent	2,400	2,200	34.0	74,800	1,900	1,400	17.0	23,800
Southeast	17,300	15,000	34.0	510,000	23,500	16,000	17.0	272,000
STATE	45,000	38,000	28.0	1,064,000	130,000	90,000	15.0	1,350,000

RYE
North Dakota, 1987 and 1986

District and County	1987				1986			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	5,800	5,700	24.0	136,800	1,700	1,400	35.0	49,000
Divide	11,000	10,500	24.0	252,000	5,000	4,900	34.0	166,600
Mountrail	3,500	3,500	17.0	59,500	1,600	1,500	35.0	52,500
Renville	1,100	1,100	16.5	18,200	700	600	29.0	17,400
Ward	1,100	1,100	17.0	18,700	1,200	1,100	25.0	27,500
Williams	15,000	14,600	28.0	408,800	12,800	12,500	33.0	413,000
Northwest	37,500	36,500	24.5	894,000	23,000	22,000	33.0	726,000
Benson	2,000	1,900	32.0	60,800	1,700	1,700	23.2	39,500
Bottineau	7,500	7,200	28.0	201,500	7,000	7,000	33.5	234,500
McHenry	5,500	5,300	25.0	132,500	9,100	9,000	36.5	328,500
Pierce	7,000	6,100	25.0	152,200	4,200	4,100	30.0	123,000
Rolette	4,000	4,000	22.5	90,000	4,000	3,000	22.5	67,500
North Central	26,000	24,500	26.0	637,000	26,000	24,800	32.0	793,000
Cavalier	100	100	39.0	3,900	200	200	30.0	6,000
Grand Forks	1,000	1,000	31.5	31,500	300	300	31.0	9,300
Nelson	1,600	1,600	38.0	60,800	800	700	30.0	21,000
Pembina	100	100	29.0	2,900	600	500	31.0	15,500
Ramsey	200	200	37.0	7,400	100	100	30.0	3,000
Towner	300	200	32.0	6,400	800	700	33.0	23,100
Walsh	—	—	—	—	200	200	29.0	5,800
Northeast	3,300	3,200	35.3	112,900	3,000	2,700	31.0	83,700
Dunn	2,500	2,100	28.5	59,800	1,300	1,200	38.0	45,600
McKenzie	1,000	900	26.0	23,400	400	400	38.0	15,200
McLean	4,500	4,000	25.0	100,000	2,600	2,400	33.0	79,200
Mercer	400	300	26.0	7,800	500	500	39.2	19,600
Oliver	300	300	32.0	9,600	200	200	36.0	7,200
West Central	8,700	7,600	26.4	200,600	5,000	4,700	35.5	166,800
Eddy	3,500	3,500	33.0	115,600	3,200	3,000	33.0	99,000
Foster	2,000	1,900	32.0	60,800	1,000	800	42.5	34,000
Kidder	1,000	1,000	36.0	36,000	3,000	2,600	20.0	52,000
Sheridan	400	400	24.0	9,600	600	600	26.7	16,000
Stutsman	10,200	10,000	42.0	420,000	8,700	8,100	35.0	283,500
Wells	7,500	7,000	34.0	238,000	3,000	2,900	44.0	127,500
Central	24,600	23,800	37.0	880,000	19,500	18,000	34.0	612,000
Barnes	3,200	3,200	40.0	128,000	1,500	1,400	37.0	51,800
Cass	200	100	40.0	4,000	400	300	55.0	16,500
Griggs	—	—	—	—	—	—	—	—
Steele	200	200	40.0	8,000	100	100	37.0	3,700
Traill	—	—	—	—	—	—	—	—
East Central	3,600	3,500	40.0	140,000	2,000	1,800	40.0	72,000
Adams	5,700	5,500	36.0	198,000	4,900	4,700	37.6	176,600
Billings	1,500	1,400	29.0	40,600	500	300	38.0	11,400
Bowman	1,000	1,000	28.5	28,500	2,700	2,600	37.5	97,500
Golden Valley	—	—	—	—	200	100	30.0	3,000
Hettinger	14,500	12,000	32.0	384,000	3,700	3,600	35.0	126,000
Slope	8,500	8,000	39.0	312,000	2,600	2,300	35.0	80,500
Stark	5,000	4,600	30.5	140,400	4,400	3,900	30.0	117,000
Southwest	36,200	32,500	34.0	1,103,500	19,000	17,500	35.0	612,000
Burleigh	1,500	1,300	29.0	37,700	2,600	2,400	26.0	62,400
Emmons	2,400	2,200	28.5	62,700	1,500	1,300	33.5	43,500
Grant	5,600	5,300	33.5	177,500	4,300	3,800	36.2	137,500
Morton	1,000	700	23.0	16,100	1,200	700	38.0	26,600
Sioux	600	500	22.0	11,000	1,400	1,300	30.0	39,000
South Central	11,100	10,000	30.5	305,000	11,000	9,500	32.5	309,000
Dickey	5,400	5,300	37.5	199,000	7,200	6,700	34.5	231,000
LaMoure	8,100	8,000	41.0	328,000	8,600	7,700	40.5	312,000
Logan	1,700	1,600	27.0	43,200	1,100	900	32.0	28,800
McIntosh	4,000	3,800	29.0	110,200	5,500	5,400	32.0	173,000
Ransom	1,600	1,600	32.0	51,200	1,700	1,100	45.0	49,500
Richland	1,000	1,000	37.0	37,000	1,100	1,000	38.0	38,000
Sargent	2,200	2,100	35.0	73,400	1,300	1,200	36.0	43,200
Southeast	24,000	23,400	36.0	842,000	26,500	24,000	36.5	875,500
STATE	175,000	165,000	31.0	5,115,000	135,000	125,000	34.0	4,250,000

RYE
North Dakota, 1985 and 1984

District and County	1985				1984			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	1,200	1,000	30.0	30,000	3,900	3,800	29.7	112,900
Divide	1,000	900	15.0	13,500	1,000	700	20.0	14,000
Mountrail	3,000	2,000	28.0	56,000	2,600	2,200	29.5	64,900
Renville	800	600	30.5	18,300	1,700	1,700	33.0	56,100
Ward	1,800	1,400	28.0	39,200	3,400	3,300	27.0	89,100
Williams	3,200	2,300	17.3	39,800	2,400	2,300	30.0	69,000
Northwest	11,000	8,200	24.0	196,800	15,000	14,000	29.0	406,000
Benson	1,000	500	26.0	13,000	2,000	2,000	42.0	84,000
Bottineau	5,500	2,500	33.0	82,500	8,000	8,000	31.0	248,000
McHenry	9,500	8,000	28.9	231,500	12,500	12,500	29.3	366,000
Pierce	2,500	2,000	23.0	46,000	5,500	5,500	32.0	176,000
Rolette	2,500	2,000	31.0	62,000	6,000	6,000	30.0	180,000
North Central	21,000	15,000	29.0	435,000	34,000	34,000	31.0	1,054,000
Cavalier	200	100	24.0	2,400	200	200	36.0	7,200
Grand Forks	200	100	28.0	2,800	400	400	35.0	14,000
Nelson	600	300	30.0	9,000	1,100	1,100	38.0	41,800
Pembina	800	500	28.0	14,000	2,000	2,000	39.8	79,600
Ramsey	---	---	---	---	---	---	---	---
Towner	1,000	700	27.4	19,200	1,700	1,700	34.0	57,800
Walsh	200	100	30.0	3,000	1,600	1,600	41.0	65,600
Northeast	3,000	1,800	28.0	50,400	7,000	7,000	38.0	266,000
Dunn	2,400	2,100	35.5	74,600	400	400	38.0	15,200
McKenzie	100	100	21.0	2,100	300	300	30.0	9,000
McLean	3,200	2,900	36.2	104,900	4,500	4,300	33.7	144,700
Mercer	1,100	1,000	50.0	50,000	1,700	1,700	30.0	51,000
Oliver	200	100	40.0	4,000	100	100	45.0	4,500
West Central	7,000	6,200	38.0	235,600	7,000	6,800	33.0	224,400
Eddy	2,000	1,200	38.0	45,600	4,200	4,000	35.0	140,000
Foster	1,200	700	40.0	28,000	2,800	2,800	48.0	134,400
Kidder	1,300	1,200	35.0	42,000	2,800	2,600	34.0	88,400
Sheridan	1,200	700	26.0	18,200	3,000	2,600	31.0	80,600
Stutsman	1,700	1,400	40.1	56,200	6,200	6,100	43.5	265,400
Wells	600	500	30.0	15,000	3,000	2,900	38.0	110,200
Central	8,000	5,700	36.0	205,000	22,000	21,000	39.0	819,000
Barnes	700	600	47.2	28,300	2,400	2,400	44.0	105,600
Cass	200	200	52.0	10,400	1,400	1,400	54.0	75,600
Griggs	100	100	45.0	4,500	---	---	---	---
Steele	---	---	---	---	200	200	44.0	8,800
Traill	---	---	---	---	---	---	---	---
East Central	1,000	900	48.0	43,200	4,000	4,000	47.5	190,000
Adams	3,000	2,400	34.0	81,600	4,000	3,800	34.0	129,200
Billings	1,000	700	17.0	11,900	1,000	1,000	20.0	20,000
Bowman	2,600	2,200	30.0	66,000	6,000	5,400	30.0	162,000
Golden Valley	100	100	18.0	1,800	---	---	---	---
Hettinger	4,100	3,300	30.3	100,000	6,300	6,200	33.2	206,100
Slope	3,000	2,100	22.0	46,200	500	500	25.0	12,500
Stark	4,200	3,200	33.0	105,500	5,200	5,100	32.0	163,200
Southwest	18,000	14,000	29.5	413,000	23,000	22,000	31.5	693,000
Burleigh	2,000	1,900	25.0	47,500	2,800	2,700	46.0	124,200
Emmons	2,000	1,900	26.0	49,400	1,300	1,300	29.0	37,700
Grant	4,500	4,200	32.7	137,300	3,700	3,500	24.5	85,900
Morton	900	800	26.0	20,800	1,400	1,400	34.0	47,600
Sioux	600	500	30.0	15,000	800	800	43.0	34,400
South Central	10,000	9,300	29.0	270,000	10,000	9,700	34.0	329,800
Dickey	5,500	5,100	43.0	219,300	8,500	8,400	45.0	378,000
LaMoure	6,000	5,100	46.0	234,500	8,900	8,400	49.0	411,600
Logan	800	500	28.0	14,000	1,000	1,000	29.0	29,000
McIntosh	3,600	3,400	31.0	105,400	2,600	2,600	41.0	106,600
Ransom	1,100	1,000	48.0	48,000	3,000	2,800	41.5	116,200
Richland	1,500	1,400	39.0	54,600	3,700	3,600	45.8	164,900
Sargent	2,500	2,400	48.0	115,200	5,300	4,700	45.0	211,500
Southeast	21,000	18,900	41.9	791,000	33,000	31,500	45.0	1,417,800
STATE	100,000	80,000	33.0	2,640,000	155,000	150,000	36.0	5,400,000

CORN
North Dakota, 1989

District and County	All Corn Acres Planted	Corn for Grain			Corn for Silage		
		Harvested	Yield Per Acre	Production	Harvested	Yield Per Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Tons)	(Tons)
Burke	600	300	15.0	4,500	200	3.5	700
Divide	300	—	—	—	200	1.5	300
Mountrail	1,300	200	25.0	5,000	700	3.6	2,500
Renville	800	200	30.0	6,000	500	2.0	1,000
Ward	4,600	600	32.2	19,300	3,600	3.9	14,200
Williams	1,400	100	60.0	6,000	1,200	4.8	5,800
Northwest	9,000	1,400	29.1	40,800	6,400	3.8	24,500
Benson	9,800	1,700	41.0	69,700	6,000	3.2	19,300
Bottineau	2,000	500	52.8	26,400	900	3.3	3,000
McHenry	13,000	1,600	61.0	97,600	9,000	2.6	23,800
Pierce	6,000	1,400	35.9	50,200	3,400	3.7	12,600
Rolette	2,200	600	22.0	13,200	1,500	2.2	3,300
North Central	33,000	5,800	44.3	257,100	20,800	3.0	62,000
Cavalier	300	100	48.0	4,800	200	2.5	500
Grand Forks	17,000	12,400	44.6	552,900	4,600	5.3	24,200
Nelson	4,400	800	36.9	29,500	3,600	3.9	14,000
Pembina	7,800	5,800	46.0	266,800	1,900	4.9	9,400
Ramsey	2,300	300	24.0	7,200	1,900	3.6	6,800
Towner	1,200	200	28.5	5,700	700	3.6	2,500
Walsh	8,000	4,000	44.0	176,000	3,500	4.2	14,700
Northeast	41,000	23,600	44.2	1,042,900	16,400	4.4	72,100
Dunn	18,000	500	14.4	7,200	13,400	2.1	27,800
McKenzie	5,500	1,400	53.8	75,300	3,800	6.4	24,400
McLean	10,000	1,200	66.3	79,600	4,500	5.4	24,300
Mercer	10,000	300	66.0	19,800	9,200	3.7	33,800
Oliver	11,500	300	17.3	5,200	9,900	3.9	38,800
West Central	55,000	3,700	50.6	187,100	40,800	3.7	149,100
Eddy	9,000	2,100	48.8	102,500	6,300	3.3	21,100
Foster	9,000	4,300	59.3	255,200	4,300	3.6	15,500
Kidder	17,000	7,400	68.4	506,100	8,000	3.7	29,300
Sheridan	5,000	900	27.7	24,900	3,600	1.8	6,500
Stutsman	23,000	7,200	43.9	316,300	15,200	4.2	64,200
Wells	14,000	4,000	30.7	122,700	8,000	3.5	28,000
Central	77,000	25,900	51.3	1,327,700	45,400	3.6	164,600
Barnes	20,000	11,400	42.3	482,400	8,100	4.2	34,100
Cass	78,000	62,200	53.9	3,352,000	13,800	4.8	66,200
Griggs	6,000	3,100	58.9	182,700	2,700	7.2	19,500
Steele	10,000	8,600	39.1	335,900	1,000	4.1	4,100
Traill	11,000	8,200	48.2	395,300	2,300	3.8	8,700
East Central	125,000	93,500	50.8	4,748,300	27,900	4.8	132,600
Adams	9,000	600	17.2	10,300	7,300	2.8	20,400
Billings	1,700	—	—	—	1,400	2.3	3,200
Bowman	3,500	1,000	19.0	19,000	1,300	1.3	1,700
Golden Valley	1,300	—	—	—	1,100	3.4	3,700
Hettinger	6,400	500	21.6	10,800	4,600	1.7	7,800
Slope	2,600	200	16.5	3,300	2,100	3.1	6,500
Stark	13,500	—	—	—	10,600	2.1	22,300
Southwest	38,000	2,300	18.9	43,400	28,400	2.3	65,600
Burleigh	19,000	1,000	56.8	56,800	10,900	3.9	42,700
Emmons	31,000	2,100	106.6	223,900	20,600	2.4	48,600
Grant	25,500	700	57.7	40,400	19,200	1.3	24,800
Morton	35,000	1,400	58.6	82,000	27,400	3.2	87,000
Sioux	6,500	200	73.0	14,600	3,900	3.1	11,900
South Central	117,000	5,400	77.4	417,700	82,000	2.6	215,000
Dickey	58,000	45,600	77.0	3,512,400	11,700	3.5	40,900
LaMoure	31,000	21,700	61.1	1,326,900	7,700	4.7	36,300
Logan	12,500	1,800	52.7	94,800	7,800	2.5	19,300
McIntosh	12,500	300	47.7	14,300	8,400	2.8	23,500
Ransom	58,000	45,900	84.7	3,889,200	11,700	6.8	79,200
Richland	165,000	147,000	97.1	14,278,200	18,000	8.6	154,800
Sargent	48,000	41,100	89.9	3,694,200	6,600	2.8	18,500
Southeast	385,000	303,400	88.4	26,810,000	71,900	5.2	372,500
STATE	880,000	465,000	75.0	34,875,000	340,000	3.7	1,258,000

CORN
North Dakota, 1988

District and County	All Corn Acres Planted	Corn for Grain			Corn for Silage		
		Harvested	Yield Per Acre	Production	Harvested	Yield Per Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Tons)	(Tons)
Burke	900	300	19.7	5,900	400	4.0	1,600
Divide	800	---	---	---	200	4.5	900
Mountrail	1,400	200	14.5	2,900	200	2.0	400
Renville	1,200	400	13.5	5,400	600	1.7	1,000
Ward	6,700	200	13.0	2,600	5,600	2.6	14,800
Williams	2,000	300	33.0	9,900	1,000	8.1	8,100
Northwest	13,000	1,400	19.1	26,700	8,000	3.4	26,800
Benson	9,000	2,500	42.6	106,600	4,300	1.9	8,000
Bottineau	1,600	200	23.0	4,600	1,300	3.8	4,900
McHenry	12,000	3,000	37.6	112,700	5,900	3.3	19,300
Pierce	6,500	400	20.0	8,000	3,900	2.2	8,600
Rolette	1,900	200	22.5	4,500	300	3.7	1,100
North Central	31,000	6,300	37.5	236,400	15,700	2.7	41,900
Cavalier	800	500	50.0	25,000	200	2.5	500
Grand Forks	16,500	13,400	68.9	923,200	2,700	6.7	18,100
Nelson	4,000	1,400	49.5	69,300	2,600	4.7	12,200
Pembina	7,800	5,700	55.4	316,000	1,200	2.7	3,200
Ramsey	2,400	1,000	33.5	33,500	1,000	4.1	4,100
Towner	1,000	300	24.7	7,400	600	3.7	2,200
Walsh	8,500	6,300	54.4	343,000	2,000	3.5	7,000
Northeast	41,000	28,600	60.0	1,717,400	10,300	4.6	47,300
Dunn	17,500	200	14.5	2,900	8,500	1.8	15,300
McKenzie	4,500	1,300	58.0	75,400	2,600	8.7	22,700
McLean	10,000	2,000	59.7	119,400	6,400	4.1	26,500
Mercer	8,500	200	101.0	20,200	7,000	4.1	29,000
Oliver	9,500	300	43.0	12,900	7,800	3.1	24,400
West Central	50,000	4,000	57.7	230,800	32,300	3.7	117,900
Eddy	8,000	2,800	50.0	140,000	5,100	4.5	23,200
Foster	9,000	3,900	53.6	209,100	4,500	5.6	25,300
Kidder	15,500	5,300	61.7	326,800	6,800	3.3	22,300
Sheridan	4,500	700	21.6	15,100	2,900	2.1	6,100
Stutsman	21,500	5,300	46.1	244,400	11,900	2.7	32,100
Wells	15,500	3,100	29.2	90,600	9,900	2.3	22,800
Central	74,000	21,100	48.6	1,026,000	41,100	3.2	131,800
Barnes	20,000	8,800	36.0	316,700	9,000	3.6	32,400
Cass	71,000	56,900	50.8	2,891,800	8,800	3.7	32,500
Griggs	5,000	2,300	64.4	148,200	2,500	6.5	16,300
Steele	9,000	7,600	55.3	420,000	1,000	4.7	4,700
Traill	10,000	9,400	69.0	648,600	500	7.2	3,600
East Central	115,000	85,000	52.1	4,425,300	21,800	4.1	89,500
Adams	8,300	200	19.5	3,900	6,400	2.1	13,400
Billings	1,500	---	---	---	1,000	1.7	1,700
Bowman	3,600	500	16.6	8,300	2,900	1.0	2,900
Golden Valley	1,100	---	---	---	400	6.5	2,600
Hettinger	8,000	700	29.6	20,700	4,700	2.4	11,300
Slope	2,500	400	17.5	7,000	1,600	1.9	3,000
Stark	11,000	700	16.0	11,200	8,900	1.7	15,100
Southwest	36,000	2,500	20.4	51,100	25,900	1.9	50,000
Burleigh	15,500	300	68.7	20,600	10,100	3.7	37,400
Emmons	26,500	900	66.0	59,400	13,300	2.8	36,900
Grant	23,000	2,500	40.4	101,000	16,900	2.2	36,400
Morton	30,000	300	73.7	22,100	25,000	3.2	79,300
Sioux	5,000	100	59.0	5,900	2,300	2.4	5,500
South Central	100,000	4,100	51.0	209,000	67,600	2.9	195,500
Dickey	46,000	24,000	57.5	1,380,000	18,100	1.9	33,900
LaMoure	30,500	12,700	40.8	518,700	12,000	3.0	35,800
Logan	12,000	500	82.8	41,400	6,300	1.8	11,500
McIntosh	11,500	---	---	---	4,100	1.4	5,700
Ransom	51,000	34,200	64.3	2,200,300	15,100	3.4	51,000
Richland	145,000	130,600	66.8	8,721,400	9,900	3.7	36,600
Sargent	44,000	25,000	50.2	1,255,500	11,800	2.1	24,800
Southeast	340,000	227,000	62.2	14,117,300	77,300	2.6	199,300
STATE	800,000	380,000	58.0	22,040,000	300,000	3.0	900,000

CORN
North Dakota, 1987

District and County	All Corn Acres Planted	Corn for Grain			Corn for Silage		
		Harvested	Yield Per Acre	Production	Harvested	Yield Per Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Tons)	(Tons)
Burke	800	500	50.0	25,000	300	5.0	1,500
Divide	500	---	---	---	300	7.7	2,300
Mountrail	1,400	200	57.5	11,500	1,100	6.7	7,400
Renville	1,500	500	69.0	34,500	700	6.0	4,200
Ward	4,200	1,900	77.8	147,900	1,800	7.5	13,500
Williams	1,600	400	93.0	37,200	600	12.2	7,300
Northwest	10,000	3,500	73.2	256,100	4,800	7.5	36,200
Benson	9,000	5,100	73.8	376,500	3,600	7.9	28,400
Bottineau	2,000	700	70.0	49,000	1,000	6.5	6,500
McHenry	13,000	7,600	63.8	485,100	4,200	10.7	44,900
Pierce	6,000	2,900	69.0	200,100	2,300	7.7	17,700
Rolette	2,000	900	57.6	51,800	900	7.7	6,900
North Central	32,000	17,200	67.6	1,162,500	12,000	8.7	104,400
Cavalier	500	300	70.7	21,200	200	6.5	1,300
Grand Forks	16,500	14,000	95.4	1,335,300	2,200	8.3	18,200
Nelson	4,000	2,100	67.5	141,800	1,900	7.6	14,500
Pembina	8,000	6,500	98.4	639,600	1,400	7.0	9,800
Ramsey	2,300	1,800	81.1	146,000	500	6.2	3,100
Towner	1,200	400	61.0	24,400	800	8.5	6,800
Walsh	7,500	6,400	109.6	701,700	1,000	7.1	7,100
Northeast	40,000	31,500	95.6	3,010,000	8,000	7.6	60,800
Dunn	15,500	500	59.0	29,500	12,000	7.6	90,800
McKenzie	3,000	400	118.0	47,200	2,500	12.8	32,100
McLean	9,700	4,700	80.6	379,000	4,100	9.3	38,100
Mercer	7,800	800	85.0	68,000	5,000	5.7	28,600
Oliver	8,000	2,500	67.5	168,800	4,300	7.9	34,100
West Central	44,000	8,900	77.8	692,500	27,900	8.0	223,700
Eddy	7,000	3,200	79.4	254,200	3,600	6.4	23,200
Foster	8,200	5,000	84.4	422,000	2,600	8.2	21,300
Kidder	14,500	4,200	109.3	459,100	9,300	6.5	60,900
Sheridan	4,500	1,700	78.5	133,500	2,500	8.2	20,600
Stutsman	22,000	12,500	71.8	897,600	8,500	9.1	77,400
Wells	14,800	11,300	78.0	881,400	2,900	7.9	23,000
Central	71,000	37,900	80.4	3,047,800	29,400	7.7	226,400
Barnes	19,000	14,200	85.0	1,207,500	4,700	6.1	28,700
Cass	68,000	62,400	99.4	6,204,000	4,100	7.2	29,700
Griggs	5,600	3,000	65.5	196,500	2,000	9.4	18,700
Steele	8,000	7,200	96.3	693,100	600	9.3	5,600
Traill	9,400	8,600	98.5	847,100	600	10.5	6,300
East Central	110,000	95,400	95.9	9,148,200	12,000	7.4	89,000
Adams	8,500	900	52.0	46,800	6,000	6.8	40,900
Billings	1,600	---	---	---	1,400	8.4	11,800
Bowman	3,800	1,200	73.8	88,600	2,300	8.5	19,600
Golden Valley	1,600	200	55.0	11,000	900	6.3	5,700
Hettinger	7,000	5,000	73.0	365,000	1,200	6.0	7,200
Slope	3,000	200	59.0	11,800	2,100	7.7	16,200
Stark	10,500	700	85.0	59,500	9,300	8.6	79,600
Southwest	36,000	8,200	71.1	582,700	23,200	7.8	181,000
Burleigh	14,500	4,300	74.4	319,800	7,000	8.1	56,400
Emmons	26,000	4,200	101.0	424,300	19,400	6.7	130,200
Grant	22,000	7,800	55.5	432,900	12,700	5.8	73,300
Morton	29,000	9,000	76.4	687,500	17,400	7.4	128,800
Sioux	5,500	900	71.4	64,300	2,600	5.5	14,300
South Central	97,000	26,200	73.6	1,928,800	59,100	6.8	403,000
Dickey	47,000	37,900	94.0	3,562,100	8,800	8.9	78,300
LaMoure	30,500	22,800	78.3	1,784,800	7,000	7.4	52,000
Logan	11,500	1,800	78.8	141,800	8,400	5.9	49,600
McIntosh	11,000	800	70.4	56,300	8,900	6.0	53,400
Ransom	48,500	41,600	98.1	4,079,000	6,600	7.3	48,100
Richland	143,000	132,300	105.6	13,972,000	10,000	9.2	91,500
Sargent	38,500	34,000	90.5	3,075,400	3,900	7.1	27,600
Southeast	330,000	271,200	98.3	26,671,400	53,600	7.5	400,500
STATE	770,000	500,000	93.0	46,500,000	230,000	7.5	1,725,000

CORN
North Dakota, 1986

District and County	All Corn Acres Planted	Corn for Grain			Corn for Silage		
		Harvested	Yield Per Acre	Production	Harvested	Yield Per Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Tons)	(Tons)
Burke	800	500	49.6	24,800	300	11.0	3,300
Divide	800	100	40.0	4,000	600	8.7	5,200
Mountrail	2,000	700	42.0	29,400	1,100	7.5	8,300
Renville	1,500	600	40.0	24,000	900	8.0	7,200
Ward	5,100	2,200	72.5	159,500	2,700	10.1	27,200
Williams	1,800	300	40.0	12,000	1,200	13.3	15,900
Northwest	12,000	4,400	57.7	253,700	6,800	9.9	67,100
Benson	9,500	5,900	70.2	413,900	3,600	6.0	21,600
Bottineau	3,000	1,100	55.0	60,500	1,800	7.5	13,500
McHenry	15,500	8,700	79.3	690,000	6,500	6.5	42,300
Pierce	7,000	2,800	60.5	169,400	3,600	7.5	27,000
Rolette	3,000	—	—	—	2,200	5.9	13,000
North Central	38,000	18,500	72.1	1,333,800	17,700	6.6	117,400
Cavalier	300	300	75.7	22,700	—	—	—
Grand Forks	19,800	16,500	101.1	1,667,800	3,200	9.5	30,400
Nelson	4,300	1,100	75.5	83,100	3,200	10.8	34,700
Pembina	8,700	5,900	84.0	495,600	2,400	5.0	12,000
Ramsey	2,300	500	70.6	35,300	1,700	5.0	8,500
Towner	2.200	1,000	65.5	65,500	800	4.5	3,600
Walsh	9,400	6,000	96.0	576,000	3,300	7.5	24,800
Northeast	47,000	31,300	94.1	2,946,000	14,600	7.8	114,000
Dunn	16,700	200	50.0	10,000	13,200	5.5	72,600
McKenzie	5,400	100	104.0	10,400	4,900	11.6	56,700
McLean	13,700	7,300	80.0	583,900	5,800	8.4	48,700
Mercer	9,000	500	55.6	27,800	6,500	7.6	49,300
Oliver	10,200	400	111.0	44,400	8,300	6.4	52,800
West Central	55,000	8,500	79.6	676,500	38,700	7.2	280,100
Eddy	8,500	3,400	92.6	314,900	4,200	7.3	30,800
Foster	8,400	5,000	80.1	400,300	3,200	10.9	34,800
Kidder	19,300	5,600	100.4	562,400	11,200	8.4	94,200
Sheridan	5,500	2,100	64.0	134,400	3,300	5.9	19,400
Stutsman	24,500	13,700	81.4	1,114,900	10,400	9.4	98,200
Wells	16,800	11,100	75.0	832,500	5,000	8.2	40,800
Central	83,000	40,900	82.1	3,359,400	37,300	8.5	318,200
Barnes	21,000	16,700	88.8	1,483,300	4,000	10.0	40,000
Cass	72,000	64,900	105.2	6,825,000	6,800	12.5	85,000
Griggs	6,000	2,600	77.7	202,100	3,300	9.9	32,700
Steele	6,500	5,300	117.7	624,000	1,000	7.5	7,500
Traill	9,500	8,700	111.0	965,700	800	9.8	7,800
East Central	115,000	98,200	102.9	10,100,100	15,900	10.9	173,000
Adams	9,500	1,000	56.5	56,500	7,400	5.1	37,700
Billings	2,000	100	51.0	5,100	1,200	4.5	5,400
Bowman	4,000	900	45.6	41,000	2,800	5.5	15,400
Golden Valley	2,100	100	46.0	4,600	1,200	7.3	8,800
Hettinger	8,900	5,900	64.0	377,600	2,400	5.5	13,200
Slope	3,500	200	54.0	10,800	3,200	5.5	17,600
Stark	15,000	300	50.7	15,200	12,200	7.5	91,500
Southwest	45,000	8,500	60.1	510,800	30,400	6.2	189,600
Burleigh	18,500	4,800	84.0	403,000	9,200	8.5	78,200
Emmons	30,500	8,000	82.2	657,600	20,300	6.3	127,000
Grant	25,000	6,300	49.0	308,700	17,100	5.7	98,000
Morton	35,000	6,900	67.6	466,100	25,100	6.6	165,600
Sioux	6,000	400	33.0	13,200	4,900	6.4	31,200
South Central	115,000	26,400	70.0	1,848,600	76,600	6.5	500,000
Dickey	51,000	39,500	87.2	3,442,900	10,900	8.0	87,700
LaMoure	34,000	25,600	80.1	2,050,900	7,600	9.1	69,000
Logan	12,500	1,400	88.7	124,200	9,200	7.5	69,000
McIntosh	12,000	1,700	64.0	108,800	9,000	6.5	58,500
Ransom	55,000	45,500	107.7	4,901,800	6,900	8.3	57,000
Richland	159,000	140,100	100.6	14,094,600	12,200	7.6	92,600
Sargent	46,500	39,500	89.6	3,537,900	6,200	9.2	56,800
Southeast	370,000	293,300	96.4	28,261,100	62,000	7.9	490,600
STATE	880,000	530,000	93.0	49,290,000	300,000	7.5	2,250,000

CORN
North Dakota, 1985

District and County	All Corn Acres Planted	Corn for Grain			Corn for Silage			Forage
		Harvested	Yield Per Acre	Production	Harvested	Yield Per Acre	Production	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Tons)	(Tons)	(Acres)
Burke	800	—	—	—	800	7.5	6,000	—
Divide	700	—	—	—	400	5.8	2,300	200
Mountrail	2,000	—	—	—	1,400	7.1	10,000	500
Renville	2,000	600	42.0	25,200	1,300	7.2	9,300	100
Ward	5,000	2,000	45.7	91,400	2,100	6.6	13,900	500
Williams	1,500	200	68.0	13,600	1,300	5.2	6,700	
Northwest	12,000	2,800	46.5	130,200	7,300	6.6	48,200	1,300
Benson	13,500	2,400	40.2	96,500	8,900	7.6	67,500	2,000
Bottineau	3,300	700	29.0	20,300	2,100	7.7	16,100	500
McHenry	17,000	7,700	56.7	436,800	5,800	6.3	36,800	1,400
Pierce	8,400	2,200	40.0	88,000	5,000	5.2	26,200	1,100
Rolette	2,800	—	—	—	2,700	5.6	15,100	100
North Central	45,000	13,000	49.4	641,600	24,500	6.6	161,700	5,100
Cavalier	600	—	—	—	300	4.0	1,200	200
Grand Forks	22,000	16,800	44.7	750,300	1,600	6.4	10,300	1,300
Nelson	4,800	1,700	37.5	63,700	2,500	5.0	12,500	400
Pembina	9,700	5,200	47.5	247,000	2,100	6.6	13,900	500
Ramsey	3,600	1,200	33.8	40,500	1,300	6.2	8,000	700
Towner	1,300	300	44.0	13,200	600	4.0	2,400	300
Walsh	8,000	5,200	47.0	244,400	2,600	8.1	21,000	200
Northeast	50,000	30,400	44.7	1,359,100	11,000	6.3	69,300	3,600
Dunn	16,900	—	—	—	16,100	5.0	80,400	800
McKenzie	4,200	400	67.0	26,800	3,600	8.8	31,600	200
McLean	11,000	4,500	58.7	264,200	5,800	8.6	49,900	700
Mercer	10,600	—	—	—	9,300	5.4	50,300	1,300
Oliver	11,300	500	39.0	19,500	9,400	7.8	72,900	1,400
West Central	54,000	5,400	57.5	310,500	44,200	6.5	285,100	4,400
Eddy	9,000	1,400	39.5	55,300	6,200	6.0	37,100	1,200
Foster	9,200	4,000	36.0	144,000	5,000	7.1	35,600	100
Kidder	20,000	5,000	57.0	285,000	13,000	4.8	61,800	2,000
Sheridan	4,800	1,000	39.0	39,000	2,600	9.0	23,400	1,000
Stutsman	27,500	8,200	39.6	325,100	17,400	5.5	96,300	1,900
Wells	19,500	8,400	34.0	285,600	9,800	4.9	48,200	1,000
Central	90,000	28,000	40.5	1,134,000	54,000	5.6	302,400	7,200
Barnes	20,000	15,600	51.5	803,400	4,200	6.5	27,400	200
Cass	83,000	79,000	76.2	6,016,900	3,800	9.7	36,900	100
Griggs	6,000	2,300	71.5	164,400	3,600	7.3	26,300	—
Steele	10,200	10,000	56.5	565,000	100	10.0	1,000	—
Traill	13,800	13,400	74.0	991,600	300	14.7	4,400	—
East Central	133,000	120,300	71.0	8,541,300	12,000	8.0	96,000	300
Adams	11,000	—	—	—	9,800	4.2	41,000	1,200
Billings	2,200	—	—	—	1,700	4.1	6,900	500
Bowman	4,600	—	—	—	4,500	1.8	8,200	100
Golden Valley	1,700	200	70.0	14,000	1,100	3.7	4,100	300
Hettinger	13,800	7,000	42.3	296,100	4,900	4.9	24,000	1,900
Slope	3,700	400	34.0	13,600	3,000	3.8	11,300	300
Stark	14,000	200	39.0	7,800	13,000	4.9	64,100	800
Southwest	51,000	7,800	42.5	331,500	38,000	4.2	159,600	5,100
Burleigh	16,000	1,500	56.7	85,000	13,000	6.4	83,600	1,500
Emmons	31,000	2,800	102.7	287,600	26,600	3.1	82,300	1,600
Grant	27,500	7,000	32.9	230,600	17,400	4.4	77,100	2,600
Morton	38,500	1,300	58.0	75,400	35,000	4.8	169,300	2,000
Sioux	7,000	200	53.5	10,700	6,000	3.2	18,900	800
South Central	120,000	12,800	53.9	689,300	98,000	4.4	431,200	8,500
Dickey	57,000	32,100	64.0	2,054,400	23,000	4.9	112,100	1,900
LaMoure	35,000	25,400	49.0	1,244,600	9,000	6.0	54,100	600
Logan	11,300	1,200	60.0	72,000	9,000	4.6	41,500	1,100
McIntosh	11,200	800	42.0	33,600	10,000	5.6	56,100	400
Ransom	65,500	53,300	82.0	4,370,600	12,000	6.0	72,200	200
Richland	188,000	184,900	89.4	16,523,100	3,000	8.7	26,000	100
Sargent	47,000	41,800	69.0	2,884,200	5,000	5.7	28,500	200
Southeast	415,000	339,500	80.1	27,182,500	71,000	5.5	390,500	4,500
STATE	970,000	560,000	72.0	40,320,000	360,000	5.4	1,944,000	40,000

CORN
North Dakota, 1984

District and County	All Corn Acres Planted	Corn for Grain			Corn for Silage			Forage
		Harvested	Yield Per Acre	Production	Harvested	Yield Per Acre	Production	
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Tons)	(Tons)	(Acres)
Burke	900	—	—	—	900	5.7	5,100	—
Divide	600	—	—	—	600	7.3	4,400	—
Mountrail	2,000	500	30.0	15,000	1,200	3.6	4,300	200
Renville	1,500	500	30.0	15,000	900	2.1	1,900	—
Ward	5,100	1,600	42.7	68,300	3,200	6.1	19,600	200
Williams	900	100	29.0	2,900	600	5.5	3,300	200
Northwest	11,000	2,700	37.5	101,200	7,400	5.2	38,600	600
Benson	14,700	10,500	50.0	525,300	4,100	5.1	21,100	—
Bottineau	2,200	1,300	29.5	38,400	900	6.2	5,600	—
McHenry	15,000	6,400	40.2	257,300	8,100	5.4	43,900	500
Pierce	7,700	1,900	36.5	69,400	5,300	6.4	34,100	300
Rolette	2,400	500	32.0	16,000	1,900	5.3	10,100	—
North Central	42,000	20,600	44.0	906,400	20,300	5.7	114,800	800
Cavalier	700	400	47.0	18,800	200	12.5	2,500	100
Grand Forks	23,000	20,100	60.2	1,209,300	2,600	4.7	12,100	200
Nelson	5,800	3,100	65.5	203,000	2,600	6.5	17,000	100
Pembina	11,600	9,200	59.0	542,800	2,400	14.0	33,500	—
Ramsey	3,300	1,400	44.5	62,300	1,800	5.7	10,200	100
Towner	2,100	900	35.0	31,500	1,000	9.8	9,800	100
Walsh	9,500	6,400	53.0	339,300	3,000	5.1	15,400	100
Northeast	56,000	41,500	58.0	2,407,000	13,600	7.4	100,500	700
Dunn	16,500	600	44.0	26,400	15,100	4.7	71,400	500
McKenzie	2,700	200	101.0	20,200	2,500	10.6	26,400	—
McLean	12,000	5,800	55.5	322,000	5,900	7.6	45,100	200
Mercer	11,000	200	80.5	16,100	10,100	5.8	58,500	700
Oliver	9,800	1,000	36.5	36,500	7,900	5.2	41,300	900
West Central	52,000	7,800	54.0	421,200	41,500	5.8	242,700	2,300
Eddy	9,900	3,200	57.5	184,000	6,600	5.3	35,100	—
Foster	9,900	5,200	60.0	312,000	4,500	6.2	27,900	200
Kidder	18,500	5,700	82.5	470,300	11,500	5.3	61,400	600
Sheridan	5,200	800	41.0	32,800	4,300	3.7	16,100	100
Stutsman	31,000	14,100	49.0	690,900	15,800	6.7	105,700	1,000
Wells	22,500	15,700	39.0	612,000	6,700	5.2	34,600	—
Central	97,000	44,700	51.5	2,302,000	49,400	5.7	280,800	1,900
Barnes	26,500	20,900	44.5	930,100	5,600	6.3	35,100	—
Cass	88,000	83,900	66.9	5,610,400	4,000	8.3	33,000	—
Griggs	6,000	3,000	58.5	175,400	3,000	10.3	31,000	—
Steele	10,500	10,000	60.5	605,000	500	6.2	3,100	—
Traill	14,000	13,200	85.5	1,128,600	800	9.0	7,200	—
East Central	145,000	131,000	64.5	8,449,500	13,900	7.9	109,400	—
Adams	9,300	1,800	32.5	58,500	6,100	5.2	31,500	1,400
Billings	1,600	300	32.0	9,600	700	3.1	2,200	500
Bowman	3,000	100	36.0	3,600	2,800	5.1	14,400	—
Golden Valley	1,400	500	64.0	32,000	300	3.0	900	500
Hettinger	12,600	7,500	42.4	317,700	5,100	4.1	21,100	—
Slope	3,100	500	42.0	21,000	2,600	4.7	12,100	—
Stark	11,000	1,800	35.5	63,900	9,200	5.2	48,200	—
Southwest	42,000	12,500	40.5	506,300	26,800	4.9	130,400	2,400
Burleigh	17,500	3,200	40.0	128,000	13,100	6.7	88,400	1,200
Emmons	29,000	5,500	77.2	424,400	23,200	5.7	133,200	200
Grant	27,000	8,200	45.0	369,000	17,900	4.2	76,000	900
Morton	36,000	6,100	41.0	250,100	29,300	5.5	161,500	500
Sioux	5,500	800	38.0	30,400	4,400	5.1	22,300	100
South Central	115,000	23,800	50.5	1,201,900	87,900	5.5	481,400	2,900
Dickey	57,000	46,200	62.5	2,887,500	10,200	6.3	64,700	500
LaMoure	39,000	29,100	51.5	1,498,700	9,900	5.8	57,200	—
Logan	12,500	2,600	49.5	128,700	9,200	6.0	54,800	500
McIntosh	10,500	1,400	48.0	67,200	9,000	6.2	55,800	100
Ransom	64,000	55,200	72.0	3,974,400	8,700	5.6	49,000	100
Richland	178,000	169,500	81.7	13,850,700	7,800	7.2	56,400	200
Sargent	49,000	41,400	69.5	2,877,300	7,400	4.9	36,500	—
Southeast	410,000	345,400	73.2	25,284,500	62,200	6.0	374,400	1,400
STATE	970,000	630,000	66.0	41,580,000	323,000	5.8	1,873,000	13,000

HAY
North Dakota, 1989

District and County	Alfalfa Hay			All Other Hay			All Hay		
	Acres Harvested	Harvested Yield	Production	Acres Harvested	Harvested Yield	Production	Acres Harvested	Harvested Yield	Production
	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)
Burke	14,500	0.65	9,400	25,000	0.95	23,800	39,500	0.85	33,200
Divide	10,000	1.00	10,000	33,000	1.10	36,300	43,000	1.10	46,300
Mountrail	27,500	0.45	12,400	48,000	0.65	31,200	75,500	0.60	43,600
Renville	6,000	0.80	4,800	14,000	0.85	11,900	20,000	0.85	16,700
Ward	30,000	0.70	21,000	52,000	0.80	41,600	82,000	0.75	62,600
Williams	32,000	1.60	50,400	28,000	0.90	25,200	60,000	1.25	75,600
Northwest	120,000	0.90	108,000	200,000	0.85	170,000	320,000	0.85	278,000
Benson	15,500	1.00	15,500	49,000	0.80	39,200	64,500	0.85	54,700
Bottineau	17,500	1.25	21,900	32,000	0.95	30,400	49,500	1.05	52,300
McHenry	78,500	0.85	67,700	103,000	0.85	87,600	181,500	0.85	155,300
Pierce	13,000	1.00	13,000	57,000	0.70	39,900	70,000	0.75	52,900
Rolette	25,500	1.25	31,900	29,000	1.10	31,900	54,500	1.15	63,800
North Central	150,000	1.00	150,000	270,000	0.85	229,000	420,000	0.90	379,000
Cavalier	3,000	0.90	2,700	8,500	1.20	10,200	11,500	1.10	12,900
Grand Forks	10,500	1.20	12,600	11,500	0.90	10,400	22,000	1.05	23,000
Nelson	13,500	1.15	15,500	23,000	0.95	22,000	36,500	1.05	37,500
Pembina	7,500	1.70	12,600	9,000	0.95	8,600	16,500	1.30	21,200
Ramsey	2,500	1.70	4,300	8,500	1.45	12,300	11,000	1.50	16,600
Towner	2,500	0.80	2,000	16,500	1.00	16,500	19,000	0.95	18,500
Walsh	5,500	1.20	6,600	23,000	1.30	30,000	28,500	1.30	36,600
Northeast	45,000	1.25	56,300	100,000	1.10	110,000	145,000	1.15	166,300
Dunn	94,000	1.05	99,100	73,000	0.75	55,100	167,000	0.90	154,200
McKenzie	38,000	1.35	51,400	51,000	0.75	38,500	89,000	1.00	89,900
McLean	19,000	1.00	19,000	55,000	0.85	47,000	74,000	0.90	66,000
Mercer	24,500	1.20	29,500	41,000	0.90	36,900	65,500	1.00	66,400
Oliver	24,500	0.85	21,000	30,000	0.75	22,500	54,500	0.80	43,500
West Central	200,000	1.10	220,000	250,000	0.80	200,000	450,000	0.95	420,000
Eddy	27,500	0.95	26,000	26,500	0.80	21,200	54,000	0.85	47,200
Foster	11,500	1.20	13,800	15,500	0.70	10,900	27,000	0.90	24,700
Kidder	82,000	1.00	81,800	89,000	0.60	52,400	171,000	0.80	134,200
Sheridan	12,500	0.70	8,800	47,000	0.85	39,800	59,500	0.80	48,600
Stutsman	46,000	1.30	59,600	62,000	1.00	61,800	108,000	1.10	121,400
Wells	10,500	0.90	9,500	40,000	0.95	37,900	50,500	0.95	47,400
Central	190,000	1.05	199,500	280,000	0.80	224,000	470,000	0.90	423,500
Barnes	12,000	1.30	15,700	24,500	1.05	25,700	36,500	1.15	41,400
Cass	15,500	2.30	35,700	6,500	1.25	8,100	22,000	2.00	43,800
Griggs	13,000	1.40	18,200	13,500	1.15	15,500	26,500	1.25	33,700
Steele	1,500	1.00	1,500	4,000	1.00	4,000	5,500	1.00	5,500
Traill	3,000	1.80	5,400	1,500	1.15	1,700	4,500	1.60	7,100
East Central	45,000	1.70	76,500	50,000	1.10	55,000	95,000	1.40	131,500
Adams	39,000	0.90	35,500	19,000	0.75	14,300	58,000	0.85	49,800
Billings	40,500	1.00	40,500	34,500	0.85	29,200	75,000	0.95	69,700
Bowman	35,000	1.00	35,000	26,000	0.85	22,100	61,000	0.95	57,100
Golden Valley	19,500	0.85	16,600	17,000	0.70	11,900	36,500	0.80	28,500
Hettinger	30,000	0.90	27,000	29,500	0.75	22,100	59,500	0.85	49,100
Slope	41,000	0.75	30,800	23,000	0.60	13,800	64,000	0.70	44,600
Stark	75,000	0.75	56,300	61,000	0.55	33,600	136,000	0.65	89,900
Southwest	280,000	0.85	241,700	210,000	0.70	147,000	490,000	0.80	388,700
Burleigh	67,000	0.70	47,700	81,000	0.60	48,500	148,000	0.65	96,200
Emmons	49,500	0.60	29,700	69,000	0.50	34,500	118,500	0.55	64,200
Grant	62,000	0.70	43,400	59,000	0.50	29,500	121,000	0.60	72,900
Morton	65,000	0.85	55,300	90,000	0.50	47,000	155,000	0.65	102,300
Sioux	56,500	0.60	33,900	31,000	0.50	15,500	87,500	0.55	49,400
South Central	300,000	0.70	210,000	330,000	0.55	175,000	630,000	0.60	385,000
Dickey	28,000	1.25	35,300	28,500	1.05	29,900	56,500	1.15	65,200
LaMoure	24,000	1.70	40,800	19,000	1.30	24,700	43,000	1.50	65,500
Logan	41,000	0.75	30,800	66,000	0.85	55,900	107,000	0.80	86,700
McIntosh	33,500	0.85	28,500	54,000	0.90	48,600	87,500	0.90	77,100
Ransom	18,000	2.15	38,700	17,500	1.30	22,800	35,500	1.75	61,500
Richland	13,000	2.70	35,100	12,000	1.15	13,800	25,000	1.95	48,900
Sargent	12,500	2.30	28,800	13,000	1.10	14,300	25,500	1.70	43,100
Southeast	170,000	1.40	238,000	210,000	1.00	210,000	380,000	1.20	448,000
STATE	1,500,000	1.00	1,500,000	1,900,000	0.80	1,520,000	3,400,000	0.89	3,020,000

HAY
North Dakota, 1988

District and County	Alfalfa Hay			All Other Hay			All Hay		
	Acres Harvested	Harvested Yield	Production	Acres Harvested	Harvested Yield	Production	Acres Harvested	Harvested Yield	Production
	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)
Burke	8,500	0.80	6,800	30,000	0.90	27,000	38,500	0.90	33,800
Divide	6,500	0.60	3,900	25,000	0.70	17,500	31,500	0.70	21,400
Mountrail	21,000	0.65	13,700	48,000	0.65	31,200	69,000	0.65	44,900
Renville	5,000	0.55	2,800	9,500	0.55	5,200	14,500	0.55	8,000
Ward	25,000	0.75	18,800	60,000	0.70	42,000	85,000	0.70	60,800
Williams	14,000	1.30	18,200	27,500	0.60	16,500	41,500	0.85	34,700
Northwest	80,000	0.80	64,200	200,000	0.70	139,400	280,000	0.75	203,600
Benson	8,500	0.40	3,400	43,000	0.80	34,400	51,500	0.75	37,800
Bottineau	14,000	0.95	13,300	28,000	0.90	25,200	42,000	0.90	38,500
McHenry	57,000	0.75	42,700	100,000	0.60	59,600	157,000	0.65	102,300
Pierce	7,000	0.45	3,200	35,000	0.65	22,800	42,000	0.60	26,000
Rolette	13,500	0.95	12,800	24,000	0.75	18,000	37,500	0.80	30,800
North Central	100,000	0.75	75,400	230,000	0.70	160,000	330,000	0.70	235,400
Cavalier	3,500	1.10	3,900	10,000	1.10	11,000	13,500	1.10	14,900
Grand Forks	11,500	1.55	17,800	13,500	1.05	14,200	25,000	1.30	32,000
Nelson	12,500	1.35	16,900	21,000	1.15	24,200	33,500	1.25	41,100
Pembina	8,500	1.40	11,900	4,500	1.10	5,000	13,000	1.30	16,900
Ramsey	3,000	1.00	3,000	13,000	1.00	13,000	16,000	1.00	16,000
Towner	3,000	0.70	2,100	17,000	1.05	17,900	20,000	1.00	20,000
Walsh	8,000	1.20	9,600	16,000	0.90	14,400	24,000	1.00	24,000
Northeast	50,000	1.30	65,200	95,000	1.05	99,700	145,000	1.15	164,900
Dunn	50,000	0.80	40,000	51,000	0.45	23,000	101,000	0.60	63,000
McKenzie	17,000	1.65	28,100	49,000	0.55	27,000	66,000	0.85	55,100
McLean	14,000	0.50	7,000	77,000	0.75	56,500	91,000	0.70	63,500
Mercer	25,000	0.70	17,600	38,000	0.65	24,700	63,000	0.65	42,300
Oliver	14,000	0.70	9,800	25,000	0.55	13,800	39,000	0.60	23,600
West Central	120,000	0.85	102,500	240,000	0.60	145,000	360,000	0.70	247,500
Eddy	20,000	0.90	18,000	26,500	1.15	30,500	46,500	1.05	48,500
Foster	11,000	0.90	9,900	13,500	0.80	10,800	24,500	0.85	20,700
Kidder	47,000	0.60	28,300	68,000	0.80	54,300	115,000	0.70	82,600
Sheridan	8,000	0.45	3,600	41,000	0.70	28,700	49,000	0.65	32,300
Stutsman	39,500	0.70	27,700	54,000	0.75	40,500	93,500	0.75	68,200
Wells	9,500	0.80	7,600	37,000	0.75	27,800	46,500	0.75	35,400
Central	135,000	0.70	95,100	240,000	0.80	192,600	375,000	0.75	287,700
Barnes	12,500	0.90	11,300	22,500	1.00	22,500	35,000	0.95	33,800
Cass	12,000	1.05	12,600	8,000	0.90	7,200	20,000	1.00	19,800
Griggs	11,000	1.00	11,000	12,000	1.30	15,600	23,000	1.15	26,600
Steele	1,500	1.55	2,300	3,500	1.00	3,500	5,000	1.15	5,800
Traill	3,000	2.30	6,900	4,000	1.55	6,200	7,000	1.85	13,100
East Central	40,000	1.10	44,100	50,000	1.10	55,000	90,000	1.10	99,100
Adams	33,000	0.45	14,800	37,000	0.60	22,200	70,000	0.55	37,000
Billings	22,500	0.45	10,100	28,500	0.50	14,300	51,000	0.50	24,400
Bowman	22,000	0.55	12,100	18,000	0.40	7,200	40,000	0.50	19,300
Golden Valley	5,500	0.40	2,200	4,500	0.40	1,800	10,000	0.40	4,000
Hettinger	28,000	0.65	18,200	33,000	0.75	24,800	61,000	0.70	43,000
Slope	25,000	0.45	11,300	21,000	0.55	11,500	46,000	0.50	22,800
Stark	49,000	0.50	24,600	38,000	0.45	17,200	87,000	0.50	41,800
Southwest	185,000	0.50	93,300	180,000	0.55	99,000	365,000	0.55	192,300
Burleigh	39,000	0.85	33,000	75,000	0.70	52,200	114,000	0.75	85,200
Emmons	24,000	0.65	15,500	37,000	0.55	20,300	61,000	0.60	35,800
Grant	37,000	0.70	25,800	56,000	0.55	30,600	93,000	0.60	56,400
Morton	42,000	0.75	31,400	84,000	0.50	41,700	126,000	0.60	73,100
Sioux	28,000	0.50	14,000	38,000	0.40	15,200	66,000	0.45	29,200
South Central	170,000	0.70	119,700	290,000	0.55	160,000	460,000	0.60	279,700
Dickey	20,000	0.70	14,000	34,000	0.55	18,700	54,000	0.60	32,700
LaMoure	19,000	0.75	14,300	24,000	1.05	25,200	43,000	0.90	39,500
Logan	24,000	0.50	12,000	43,000	0.85	36,700	67,000	0.75	48,700
McIntosh	18,000	0.30	5,400	32,500	0.75	24,400	50,500	0.60	29,800
Ransom	17,000	0.85	14,500	17,000	0.70	11,900	34,000	0.80	26,400
Richland	11,000	1.80	19,800	10,000	1.15	11,500	21,000	1.50	31,300
Sargent	11,000	0.95	10,500	14,500	0.75	10,900	25,500	0.85	21,400
Southeast	120,000	0.75	90,500	175,000	0.80	139,300	295,000	0.80	229,800
STATE	1,000,000	0.75	750,000	1,700,000	0.70	1,190,000	2,700,000	0.72	1,940,000

HAY
North Dakota, 1987

District and County	Alfalfa Hay			All Other Hay			All Hay		
	Acres Harvested	Harvested Yield	Production	Acres Harvested	Harvested Yield	Production	Acres Harvested	Harvested Yield	Production
	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)
Burke	8,000	1.45	11,600	20,000	1.35	27,000	28,000	1.40	38,600
Divide	9,000	1.75	15,800	16,500	1.50	24,800	25,500	1.60	40,600
Mountrail	23,000	2.15	49,400	38,000	1.35	51,700	61,000	1.65	101,100
Renville	6,000	1.40	8,400	8,000	1.70	13,600	14,000	1.55	22,000
Ward	23,000	2.10	48,200	39,000	1.35	52,700	62,000	1.65	100,900
Williams	26,000	2.00	51,600	18,500	1.20	22,200	44,500	1.65	73,800
Northwest	95,000	1.95	185,000	140,000	1.35	192,000	235,000	1.60	377,000
Benson	18,000	1.80	32,400	33,000	1.35	44,600	51,000	1.50	77,000
Bottineau	21,000	1.55	32,500	23,000	1.20	27,600	44,000	1.35	60,100
McHenry	75,000	1.50	112,300	100,000	0.90	90,800	175,000	1.15	203,100
Pierce	19,000	2.20	41,800	36,000	1.25	45,000	55,000	1.60	86,800
Rolette	22,000	2.00	44,000	28,000	1.50	42,000	50,000	1.70	86,000
North Central	155,000	1.70	263,000	220,000	1.15	250,000	375,000	1.35	513,000
Cavalier	3,500	2.30	8,100	7,000	1.80	12,600	10,500	1.95	20,700
Grand Forks	8,000	3.20	25,500	6,000	1.50	9,000	14,000	2.45	34,500
Nelson	7,500	2.75	20,600	11,500	1.55	17,800	19,000	2.00	38,400
Pembina	5,000	2.70	13,500	7,500	1.35	10,200	12,500	1.90	23,700
Ramsey	2,500	2.30	5,800	8,000	1.55	12,400	10,500	1.75	18,200
Towner	4,000	1.65	6,600	7,000	1.45	10,200	11,000	1.55	16,800
Walsh	4,500	2.05	9,200	13,000	1.60	20,800	17,500	1.70	30,000
Northeast	35,000	2.55	89,300	60,000	1.55	93,000	95,000	1.90	182,300
Dunn	110,000	1.80	198,000	53,000	1.40	75,300	163,000	1.70	273,300
McKenzie	42,000	1.35	56,600	40,000	1.05	42,000	82,000	1.20	98,600
McLean	23,000	1.85	42,600	40,000	1.45	58,000	63,000	1.60	100,600
Mercer	36,000	1.85	66,600	21,000	1.50	31,500	57,000	1.70	98,100
Oliver	29,000	1.95	56,600	16,000	1.45	23,200	45,000	1.75	79,800
West Central	240,000	1.75	420,400	170,000	1.35	230,000	410,000	1.60	650,400
Eddy	26,000	1.90	49,400	21,000	1.20	25,200	47,000	1.60	74,600
Foster	11,000	2.30	25,300	6,000	1.40	8,400	17,000	2.00	33,700
Kidder	95,000	1.75	166,700	59,000	1.15	67,900	154,000	1.50	234,600
Sheridan	12,000	1.50	18,000	43,000	1.30	55,900	55,000	1.35	73,900
Stutsman	46,000	2.35	108,100	35,000	1.45	50,900	81,000	1.95	159,000
Wells	10,000	2.25	22,500	31,000	1.15	35,700	41,000	1.40	58,200
Central	200,000	1.95	390,000	195,000	1.25	244,000	395,000	1.60	634,000
Barnes	14,500	2.40	34,800	16,500	1.50	24,700	31,000	1.90	59,500
Cass	12,500	3.30	41,300	4,500	1.10	5,000	17,000	2.70	46,300
Griggs	12,500	2.00	25,000	11,000	1.25	13,800	23,500	1.65	38,800
Steele	2,500	2.55	6,400	2,500	1.90	4,800	5,000	2.25	11,200
Traill	3,000	3.25	9,800	500	1.40	700	3,500	3.00	10,500
East Central	45,000	2.60	117,300	35,000	1.40	49,000	80,000	2.10	166,300
Adams	49,000	1.55	76,000	15,000	1.10	16,500	64,000	1.45	92,500
Billings	56,000	1.55	86,800	19,000	1.15	21,900	75,000	1.45	108,700
Bowman	45,000	1.50	67,500	15,000	1.25	18,800	60,000	1.45	86,300
Golden Valley	15,000	1.50	22,500	13,000	1.15	15,000	28,000	1.35	37,500
Hettinger	32,000	1.65	52,800	14,000	1.25	17,200	46,000	1.50	70,000
Slope	41,000	1.60	65,600	14,000	1.65	23,100	55,000	1.60	88,700
Stark	72,000	1.50	108,800	30,000	1.25	37,500	102,000	1.45	146,300
Southwest	310,000	1.55	480,000	120,000	1.25	150,000	430,000	1.45	630,000
Burleigh	57,000	2.25	128,200	46,000	1.25	57,500	103,000	1.80	185,700
Emmons	55,000	1.95	107,200	50,000	1.10	55,000	105,000	1.55	162,200
Grant	65,000	2.05	133,100	34,000	1.30	44,200	99,000	1.80	177,300
Morton	68,000	1.90	129,000	55,000	1.45	79,800	123,000	1.70	208,800
Sioux	50,000	1.25	62,500	15,000	0.90	13,500	65,000	1.15	76,000
South Central	295,000	1.90	560,000	200,000	1.25	250,000	495,000	1.65	810,000
Dickey	32,000	2.50	80,000	24,000	1.65	39,600	56,000	2.15	119,600
LaMoure	23,000	3.20	73,500	17,000	1.50	25,500	40,000	2.50	99,000
Logan	42,000	2.10	88,000	43,000	1.65	71,000	85,000	1.85	159,000
McIntosh	35,000	1.90	66,400	44,000	1.15	50,600	79,000	1.50	117,000
Ransom	16,000	3.05	48,800	11,000	1.50	16,500	27,000	2.40	65,300
Richland	14,000	3.35	46,900	11,000	1.25	13,800	25,000	2.45	60,700
Sargent	13,000	2.80	36,400	10,000	1.50	15,000	23,000	2.25	51,400
Southeast	175,000	2.50	440,000	160,000	1.45	232,000	335,000	2.00	672,000
STATE	1,550,000	1.90	2,945,000	1,300,000	1.30	1,690,000	2,850,000	1.63	4,635,000

HAY
North Dakota, 1986

District and County	Alfalfa Hay			All Other Hay			All Hay		
	Acres Harvested	Harvested Yield	Production	Acres Harvested	Harvested Yield	Production	Acres Harvested	Harvested Yield	Production
	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)
Burke	9,500	1.60	15,200	19,000	1.30	24,700	28,500	1.40	39,900
Divide	8,500	1.65	14,000	18,000	1.55	27,900	26,500	1.60	41,900
Mountrail	24,000	1.80	43,200	34,000	1.60	54,400	58,000	1.70	97,600
Renville	7,000	1.65	11,600	11,500	1.75	20,100	18,500	1.70	31,700
Ward	26,000	1.85	48,100	42,000	1.35	56,500	68,000	1.55	104,600
Williams	30,000	1.90	56,900	25,500	1.35	34,400	55,500	1.65	91,300
Northwest	105,000	1.80	189,000	150,000	1.45	218,000	255,000	1.60	407,000
Benson	13,000	1.85	24,100	35,000	1.45	50,900	48,000	1.55	75,000
Bottineau	21,000	1.70	35,700	23,000	1.15	26,500	44,000	1.40	62,200
McHenry	61,000	1.70	103,700	85,000	1.05	89,600	146,000	1.30	193,300
Pierce	15,000	2.20	33,000	36,000	1.15	41,500	51,000	1.45	74,500
Rolette	20,000	2.20	44,000	21,000	1.50	31,500	41,000	1.85	75,500
North Central	130,000	1.85	240,500	200,000	1.20	240,000	330,000	1.45	480,500
Cavalier	3,500	2.00	7,000	7,000	1.60	11,200	10,500	1.75	18,200
Grand Forks	6,500	2.75	17,900	7,500	1.35	10,100	14,000	2.00	28,000
Nelson	9,000	1.80	16,200	20,000	1.30	25,900	29,000	1.45	42,100
Pembina	9,000	2.80	25,200	6,500	1.90	12,400	15,500	2.45	37,600
Ramsey	2,500	1.75	4,400	12,000	1.25	15,000	14,500	1.35	19,400
Towner	3,000	2.55	7,700	10,000	1.40	14,000	13,000	1.65	21,700
Walsh	6,500	2.40	15,600	12,000	1.70	20,400	18,500	1.95	36,000
Northeast	40,000	2.35	94,000	75,000	1.45	109,000	115,000	1.75	203,000
Dunn	110,000	2.10	230,700	67,000	1.40	93,800	177,000	1.85	324,500
McKenzie	50,000	1.90	95,000	54,000	1.30	70,200	104,000	1.60	165,200
McLean	22,000	2.10	46,200	41,000	1.75	71,900	63,000	1.85	118,100
Mercer	42,000	1.80	75,600	22,000	1.75	38,500	64,000	1.80	114,100
Oliver	26,000	2.50	65,000	16,000	1.60	25,600	42,000	2.15	90,600
West Central	250,000	2.05	512,500	200,000	1.50	300,000	450,000	1.80	812,500
Eddy	23,000	2.10	48,300	25,500	1.20	30,600	48,500	1.65	78,900
Foster	11,500	2.30	26,500	6,000	1.10	6,600	17,500	1.90	33,100
Kidder	99,000	1.70	168,300	46,500	1.40	65,100	145,500	1.60	233,400
Sheridan	13,500	1.70	23,000	40,000	1.30	52,000	53,500	1.40	75,000
Stutsman	42,000	2.10	88,200	37,500	1.50	56,300	79,500	1.80	144,500
Wells	11,000	2.40	26,400	34,500	1.35	46,600	45,500	1.60	73,000
Central	200,000	1.90	380,700	190,000	1.35	257,200	390,000	1.65	637,900
Barnes	13,000	3.20	41,600	23,000	1.60	36,900	36,000	2.20	78,500
Cass	12,000	3.80	45,600	4,500	2.00	9,000	16,500	3.30	54,600
Griggs	14,000	2.30	32,200	11,500	1.35	15,500	25,500	1.85	47,700
Steele	2,000	2.65	5,300	2,500	1.65	4,100	4,500	2.10	9,400
Traill	4,000	3.15	12,600	3,500	1.90	6,700	7,500	2.55	19,300
East Central	45,000	3.05	137,300	45,000	1.60	72,200	90,000	2.35	209,500
Adams	41,000	1.50	61,400	21,500	1.30	28,000	62,500	1.45	89,400
Billings	52,000	1.70	88,300	31,000	1.50	46,400	83,000	1.60	134,700
Bowman	42,000	1.30	54,500	28,500	1.20	34,100	70,500	1.25	88,600
Golden Valley	17,000	1.50	25,500	17,500	0.80	14,000	34,500	1.15	39,500
Hettinger	25,000	1.90	47,500	20,500	1.30	26,700	45,500	1.65	74,200
Slope	42,000	1.40	58,800	27,000	1.10	29,700	69,000	1.30	88,500
Stark	76,000	2.00	152,000	39,000	1.60	62,300	115,000	1.85	214,300
Southwest	295,000	1.65	488,000	185,000	1.30	241,200	480,000	1.50	729,200
Burleigh	63,000	2.30	144,800	52,000	1.25	65,000	115,000	1.80	209,800
Emmons	52,000	2.50	130,000	59,000	1.35	79,500	111,000	1.90	209,500
Grant	62,000	2.00	124,000	39,000	1.60	62,300	101,000	1.85	186,300
Morton	68,000	2.50	170,000	60,000	1.65	98,700	128,000	2.10	268,700
Sioux	55,000	1.95	107,200	35,000	1.10	38,500	90,000	1.60	145,700
South Central	300,000	2.25	676,000	245,000	1.40	344,000	545,000	1.85	1,020,000
Dickey	29,000	3.30	95,700	18,500	1.70	31,500	47,500	2.70	127,200
LaMoure	24,000	3.25	78,000	19,000	1.80	34,200	43,000	2.60	112,200
Logan	44,000	2.50	110,100	43,000	1.75	75,100	87,000	2.15	185,200
McIntosh	40,000	2.25	90,100	41,000	1.30	53,100	81,000	1.75	143,200
Ransom	17,000	3.60	61,200	10,000	1.15	11,500	27,000	2.70	72,700
Richland	14,000	3.45	48,300	10,000	1.25	12,500	24,000	2.55	60,800
Sargent	17,000	3.15	53,600	18,500	1.65	30,500	35,500	2.35	84,100
Southeast	185,000	2.90	537,000	160,000	1.55	248,400	345,000	2.30	785,400
STATE	1,550,000	2.10	3,255,000	1,450,000	1.40	2,030,000	3,000,000	1.76	5,285,000

HAY
North Dakota, 1985

District and County	Alfalfa Hay			All Other Hay			All Hay		
	Acres Harvested	Harvested Yield	Production	Acres Harvested	Harvested Yield	Production	Acres Harvested	Harvested Yield	Production
	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)
Burke	9,000	1.20	10,800	25,500	1.25	31,900	34,500	1.25	42,700
Divide	7,500	0.75	5,600	16,000	0.75	12,000	23,500	0.75	17,600
Mountrail	25,000	1.15	28,800	33,000	1.35	44,600	58,000	1.25	73,400
Renville	9,000	1.50	13,500	8,500	1.60	13,600	17,500	1.55	27,100
Ward	28,000	1.55	43,400	43,000	1.20	51,200	71,000	1.35	94,600
Williams	27,500	1.30	35,700	24,000	0.80	19,200	51,500	1.05	54,900
Northwest	106,000	1.30	137,800	150,000	1.15	172,500	256,000	1.20	310,300
Benson	16,000	1.90	30,400	27,000	1.30	35,100	43,000	1.50	65,500
Bottineau	20,500	1.60	32,900	23,000	1.25	28,900	43,500	1.40	61,800
McHenry	65,000	1.35	88,600	80,000	1.10	88,000	145,000	1.20	176,600
Pierce	18,000	1.45	26,100	40,000	1.05	42,000	58,000	1.15	68,100
Rolette	25,500	1.55	39,500	25,000	1.60	40,000	50,500	1.55	79,500
North Central	145,000	1.50	217,500	195,000	1.20	234,000	340,000	1.35	451,500
Cavalier	2,400	2.10	5,000	7,500	1.80	13,600	9,900	1.90	18,600
Grand Forks	7,000	2.35	16,500	6,500	1.10	7,200	13,500	1.75	23,700
Nelson	9,000	2.10	19,000	19,500	1.30	25,400	28,500	1.55	44,400
Pembina	6,000	2.25	13,500	9,000	1.15	10,400	15,000	1.60	23,900
Ramsey	2,500	1.70	4,300	9,500	1.20	11,400	12,000	1.30	15,700
Towner	3,100	1.45	4,500	11,000	1.15	12,700	14,100	1.20	17,200
Walsh	5,000	2.15	10,700	12,000	1.40	16,800	17,000	1.60	27,500
Northeast	35,000	2.10	73,500	75,000	1.30	97,500	110,000	1.55	171,000
Dunn	91,000	1.00	91,000	69,000	1.00	69,000	160,000	1.00	160,000
McKenzie	35,000	1.10	38,500	49,000	0.80	39,200	84,000	0.95	77,700
McLean	25,000	2.40	60,000	38,000	1.40	53,200	63,000	1.80	113,200
Mercer	37,000	1.80	66,600	22,000	1.50	33,000	59,000	1.70	99,600
Oliver	32,000	1.95	62,400	17,000	1.75	29,900	49,000	1.90	92,300
West Central	220,000	1.45	318,500	195,000	1.15	224,300	415,000	1.30	542,800
Eddy	28,000	1.50	42,000	22,000	1.10	24,200	50,000	1.30	66,200
Foster	12,000	1.65	19,800	5,500	1.25	6,900	17,500	1.55	26,700
Kidder	110,000	1.10	119,000	57,000	1.00	56,500	167,000	1.05	175,500
Sheridan	12,500	1.65	20,600	28,000	1.50	41,700	40,500	1.55	62,300
Stutsman	57,000	1.20	67,300	45,000	1.30	58,300	102,000	1.25	125,600
Wells	10,500	1.75	18,500	27,500	1.25	34,400	38,000	1.40	52,900
Central	230,000	1.25	287,200	185,000	1.20	222,000	415,000	1.25	509,200
Barnes	16,000	2.00	32,200	21,500	1.35	29,000	37,500	1.60	61,200
Cass	13,000	3.15	41,000	3,300	1.65	5,500	16,300	2.85	46,500
Griggs	12,500	2.00	25,000	10,000	1.40	14,000	22,500	1.75	39,000
Steele	2,000	2.10	4,200	3,500	1.30	4,600	5,500	1.60	8,800
Traill	5,500	3.20	17,600	1,700	1.75	2,900	7,200	2.85	20,500
East Central	49,000	2.45	120,000	40,000	1.40	56,000	89,000	2.00	176,000
Adams	42,000	0.85	35,800	21,000	1.15	24,200	63,000	0.95	60,000
Billings	38,000	0.60	22,800	31,000	0.80	24,800	69,000	0.70	47,600
Bowman	30,000	0.60	18,000	23,000	0.75	17,300	53,000	0.65	35,300
Golden Valley	15,000	0.75	11,300	19,000	0.55	10,500	34,000	0.65	21,800
Hettinger	33,000	1.20	39,600	18,000	1.05	18,900	51,000	1.15	58,500
Slope	35,000	0.90	31,500	31,000	0.85	26,400	66,000	0.90	57,900
Stark	67,000	1.50	101,000	32,000	1.10	35,400	99,000	1.40	136,400
Southwest	260,000	1.00	260,000	175,000	0.90	157,500	435,000	0.95	417,500
Burleigh	58,000	1.75	101,500	43,500	1.15	50,000	101,500	1.50	151,500
Emmons	56,000	1.30	72,800	62,000	1.10	67,000	118,000	1.20	139,800
Grant	56,000	1.15	64,500	36,500	1.20	43,800	92,500	1.20	108,300
Morton	64,000	1.35	86,600	60,000	1.35	81,000	124,000	1.35	167,600
Sioux	31,000	0.60	18,600	38,000	1.00	38,000	69,000	0.80	56,600
South Central	265,000	1.30	344,000	240,000	1.15	279,800	505,000	1.25	623,800
Dickey	36,000	1.55	55,800	29,000	1.20	34,800	65,000	1.40	90,600
LaMoure	22,000	1.65	36,400	21,000	1.15	24,200	43,000	1.40	60,600
Logan	42,500	1.30	55,300	50,000	1.10	55,200	92,500	1.20	110,500
McIntosh	33,000	1.10	36,300	48,000	1.15	55,300	81,000	1.15	91,600
Ransom	22,500	2.90	65,200	13,500	1.15	15,500	36,000	2.25	80,700
Richland	17,000	3.20	54,400	16,500	1.10	18,200	33,500	2.15	72,600
Sargent	17,000	2.25	38,100	17,000	1.25	21,200	34,000	1.75	59,300
Southeast	190,000	1.80	341,500	195,000	1.15	224,400	385,000	1.45	565,900
STATE	1,500,000	1.40	2,100,000	1,450,000	1.15	1,668,000	2,950,000	1.28	3,768,000

HAY
North Dakota, 1984

District and County	Alfalfa Hay			All Other Hay			All Hay		
	Acres Harvested	Harvested Yield	Production	Acres Harvested	Harvested Yield	Production	Acres Harvested	Harvested Yield	Production
	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)
Burke	9,000	1.00	9,000	21,000	1.00	21,000	30,000	1.00	30,000
Divide	11,000	0.80	8,800	15,500	1.05	16,300	26,500	0.95	25,100
Mountrail	25,000	1.25	30,800	35,000	1.20	42,100	60,000	1.20	72,900
Renville	6,000	1.20	7,200	7,500	1.05	7,900	13,500	1.10	15,100
Ward	30,000	1.70	51,000	45,000	1.30	58,700	75,000	1.45	109,700
Williams	29,000	1.25	36,200	21,000	1.00	21,000	50,000	1.15	57,200
Northwest	110,000	1.30	143,000	145,000	1.15	167,000	255,000	1.20	310,000
Benson	11,000	1.70	18,700	33,000	1.40	46,100	44,000	1.45	64,800
Bottineau	22,000	1.30	28,600	20,000	1.30	26,000	42,000	1.30	54,600
McHenry	70,000	1.80	126,000	100,000	1.35	135,000	170,000	1.55	261,000
Pierce	20,000	1.80	36,000	37,000	1.30	48,000	57,000	1.45	84,000
Rolette	27,000	1.70	45,700	25,000	1.40	34,900	52,000	1.55	80,600
North Central	150,000	1.70	255,000	215,000	1.35	290,000	365,000	1.50	545,000
Cavalier	2,400	1.85	4,500	8,000	1.85	14,800	10,400	1.85	19,300
Grand Forks	8,000	2.90	23,200	11,000	1.60	17,600	19,000	2.15	40,800
Nelson	10,500	2.05	21,500	21,000	1.50	31,600	31,500	1.70	53,100
Pembina	10,500	2.15	22,800	9,500	1.30	12,400	20,000	1.75	35,200
Ramsey	3,200	1.75	5,600	10,500	1.60	16,800	13,700	1.65	22,400
Towner	3,400	1.50	5,100	13,000	1.75	22,800	16,400	1.70	27,900
Walsh	7,000	2.00	14,000	17,000	1.65	28,000	24,000	1.75	42,000
Northeast	45,000	2.15	96,700	90,000	1.60	144,000	135,000	1.80	240,700
Dunn	105,000	1.60	167,400	53,000	1.35	71,400	158,000	1.50	238,800
McKenzie	47,000	1.25	58,800	34,000	0.95	32,200	81,000	1.10	91,000
McLean	28,000	2.20	61,600	37,000	1.30	48,000	65,000	1.70	109,600
Mercer	37,000	1.95	72,200	20,000	1.30	26,000	57,000	1.70	98,200
Oliver	28,000	2.00	56,000	16,000	1.40	22,400	44,000	1.80	78,400
West Central	245,000	1.70	416,000	160,000	1.25	200,000	405,000	1.50	616,000
Eddy	23,000	1.60	36,800	26,000	1.10	28,600	49,000	1.35	65,400
Foster	11,000	2.10	23,100	7,000	1.50	10,500	18,000	1.85	33,600
Kidder	97,000	1.40	136,200	65,000	1.05	68,300	162,000	1.25	204,500
Sheridan	10,000	1.80	18,000	32,000	1.45	46,400	42,000	1.55	64,400
Stutsman	54,000	2.10	113,400	44,000	1.50	66,000	98,000	1.85	179,400
Wells	10,000	2.15	21,500	26,000	1.55	40,200	36,000	1.70	61,700
Central	205,000	1.70	349,000	200,000	1.30	260,000	405,000	1.50	609,000
Barnes	16,000	2.15	34,200	20,000	1.50	30,000	36,000	1.80	64,200
Cass	14,500	3.00	43,500	2,500	2.00	5,000	17,000	2.85	48,500
Griggs	12,000	1.80	21,600	12,000	1.50	18,000	24,000	1.65	39,600
Steele	2,000	2.50	5,000	3,500	1.50	5,200	5,500	1.85	10,200
Traill	5,500	3.30	18,200	2,000	1.90	3,800	7,500	2.95	22,000
East Central	50,000	2.45	122,500	40,000	1.55	62,000	90,000	2.05	184,500
Adams	40,000	1.50	60,000	15,000	1.20	18,000	55,000	1.40	78,000
Billings	41,000	0.90	36,900	22,000	1.20	26,300	63,000	1.00	63,200
Bowman	36,000	1.30	46,800	23,000	1.15	26,500	59,000	1.25	73,300
Golden Valley	17,000	1.25	21,200	12,000	0.80	9,600	29,000	1.05	30,800
Hettinger	34,000	1.55	52,700	13,000	1.20	15,600	47,000	1.45	68,300
Slope	37,000	1.45	53,700	15,000	1.10	16,500	52,000	1.35	70,200
Stark	70,000	1.60	113,700	15,000	1.30	19,500	85,000	1.55	133,200
Southwest	275,000	1.40	385,000	115,000	1.15	132,000	390,000	1.35	517,000
Burleigh	55,000	1.80	99,000	45,000	1.25	56,100	100,000	1.55	155,100
Emmons	51,000	2.25	114,800	52,000	1.55	80,400	103,000	1.90	195,200
Grant	63,000	1.60	100,800	29,000	1.00	29,000	92,000	1.40	129,800
Morton	64,000	1.70	108,800	51,000	1.25	63,800	115,000	1.50	172,600
Sioux	47,000	1.40	66,400	23,000	0.90	20,700	70,000	1.25	87,100
South Central	280,000	1.75	489,800	200,000	1.25	250,000	480,000	1.55	739,800
Dickey	36,000	2.15	77,500	26,000	1.40	36,400	62,000	1.85	113,900
LaMoure	23,000	2.30	52,900	20,000	1.55	31,000	43,000	1.95	83,900
Logan	41,000	2.00	82,000	45,000	1.30	58,500	86,000	1.65	140,500
McIntosh	33,000	2.20	72,600	41,000	1.55	63,600	74,000	1.85	136,200
Ransom	19,000	3.00	57,000	12,000	1.20	14,400	31,000	2.30	71,400
Richland	19,000	3.50	66,500	21,000	1.10	23,100	40,000	2.25	89,600
Sargent	19,000	2.50	47,500	20,000	1.15	23,000	39,000	1.80	70,500
Southeast	190,000	2.40	456,000	185,000	1.35	250,000	375,000	1.90	706,000
STATE	1,550,000	1.75	2,713,000	1,350,000	1.30	1,755,000	2,900,000	1.54	4,468,000

DRY EDIBLE BEANS
North Dakota, 1989 and 1988

District and County	1989				1988			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Lbs.)	(Cwt.)	(Acres)	(Acres)	(Lbs.)	(Cwt.)
Burke	400	300	350	1,050	100	100	200	200
Divide	200	100	300	300	---	---	---	---
Mountrail	700	600	500	3,000	500	400	300	1,200
Renville	---	---	---	---	---	---	---	---
Ward	300	300	250	750	300	200	240	480
Williams	400	200	1800	3,600	100	100	1000	1,000
Northwest	2,000	1,500	580	8,700	1,000	800	360	2,880
Benson	3,900	2,600	630	16,380	2,000	1,500	300	4,500
Bottineau	1,000	900	370	3,330	1,000	900	440	3,960
McHenry	1,000	900	370	3,330	500	400	400	1,600
Pierce	---	---	---	---	200	200	260	520
Rolette	100	100	360	360	300	200	310	620
North Central	6,000	4,500	520	23,400	4,000	3,200	350	11,200
Cavalier	5,000	4,000	370	14,800	5,000	4,500	540	24,300
Grand Forks	104,000	94,000	500	470,000	80,000	77,000	1070	823,900
Nelson	5,000	4,300	390	16,770	4,000	3,800	900	34,200
Pembina	54,000	49,500	630	311,800	45,000	41,500	620	257,300
Ramsey	7,000	6,900	570	39,330	6,000	5,500	560	30,800
Towner	6,000	4,300	730	31,400	5,000	4,700	320	15,040
Walsh	49,000	42,000	540	226,800	40,000	38,000	610	231,610
Northeast	230,000	205,000	542	1,110,900	185,000	175,000	810	1,417,150
Dunn	---	---	---	---	100	100	250	250
McKenzie	1,500	1,400	1600	22,400	700	600	2000	12,000
McLean	16,000	8,000	270	21,600	9,000	7,200	290	20,890
Mercer	500	400	580	2,320	200	200	170	340
Oliver	2,000	1,200	540	6,480	1,000	900	180	1,620
West Central	20,000	11,000	480	52,800	11,000	9,000	390	35,100
Eddy	1,500	1,200	860	10,320	700	700	470	3,290
Foster	3,500	2,800	500	14,000	2,000	1,800	590	10,620
Kidder	1,000	900	1300	11,700	400	400	150	600
Sheridan	1,000	600	380	2,280	700	600	180	1,080
Stutsman	3,000	2,500	800	20,000	2,200	2,000	200	4,000
Wells	20,000	15,000	440	66,000	16,000	15,500	280	43,410
Central	30,000	23,000	540	124,300	22,000	21,000	300	63,000
Barnes	2,000	1,000	520	5,200	1,500	1,000	220	2,200
Cass	39,000	25,500	490	125,000	25,000	22,500	590	132,700
Griggs	16,000	11,500	450	51,800	15,000	14,000	640	89,600
Steele	47,000	38,000	460	174,800	40,000	39,500	1020	402,800
Traill	56,000	45,000	470	211,700	43,500	43,000	830	356,700
East Central	160,000	121,000	470	568,500	125,000	120,000	820	984,000
Adams	100	100	200	200	500	300	130	390
Billings	---	---	---	---	---	---	---	---
Bowman	1,000	400	220	880	800	600	110	660
Golden Valley	---	---	---	---	100	---	---	---
Hettinger	6,000	3,000	220	6,590	8,500	5,700	160	9,120
Slope	400	200	250	500	500	400	120	480
Stark	500	300	210	630	600	500	120	600
Southwest	8,000	4,000	220	8,800	11,000	7,500	150	11,250
Burleigh	1,000	300	700	2,100	800	700	160	1,120
Emmons	1,000	700	1000	7,000	1,000	800	200	1,600
Grant	2,000	1,000	250	2,500	4,200	3,000	180	5,400
Morton	---	---	---	---	---	---	---	---
Sioux	---	---	---	---	---	---	---	---
South Central	4,000	2,000	580	11,600	6,000	4,500	180	8,120
Dickey	6,000	5,900	1650	97,350	5,500	2,200	600	13,200
LaMoure	7,000	6,900	900	62,100	6,000	4,000	310	12,380
Logan	---	---	---	---	---	---	---	---
McIntosh	---	---	---	---	---	---	---	---
Ransom	9,000	9,000	1660	149,400	10,000	9,900	650	64,310
Richland	12,000	10,200	1650	168,350	6,000	5,900	950	56,030
Sargent	6,000	6,000	1230	73,800	7,500	7,000	320	22,380
Southeast	40,000	38,000	1450	551,000	35,000	29,000	580	168,300
STATE	500,000	410,000	600	2,460,000	400,000	370,000	730	2,701,000

DRY EDIBLE BEANS
North Dakota, 1987and 1986

District and County	1987				1986			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Lbs.)	(Cwt.)	(Acres)	(Acres)	(Lbs.)	(Cwt.)
Burke	300	300	1400	4,200	100	100	1300	1,300
Divide	---	---	---	---	---	---	---	---
Mountrail	---	---	---	---	100	100	1660	1,660
Renville	---	---	---	---	---	---	---	---
Ward	100	100	1400	1,400	---	---	---	---
Williams	400	400	1750	7,000	200	200	1500	3,000
Northwest	800	800	1575	12,600	400	400	1490	5,960
Benson	400	400	1800	7,200	200	200	1410	2,820
Bottineau	300	300	1740	5,220	---	---	---	---
McHenry	---	---	---	---	100	100	1460	1,460
Pierce	---	---	---	---	100	100	1700	1,700
Rolette	---	---	---	---	200	200	1570	3,140
North Central	700	700	1774	12,420	600	600	1520	9,120
Cavalier	2,200	2,200	1300	28,600	1,200	1,200	1310	15,720
Grand Forks	83,000	79,500	1350	1,073,300	72,000	71,600	1550	1,109,830
Nelson	2,000	2,000	1150	23,000	1,500	1,500	950	14,250
Pembina	41,000	41,000	1310	537,100	38,000	31,700	1150	364,550
Ramsey	4,300	4,300	1400	60,200	3,600	3,000	1000	30,000
Towner	2,500	2,200	1350	29,700	1,700	1,700	1360	23,120
Walsh	35,000	35,000	1310	458,500	32,000	31,800	1600	508,800
Northeast	170,000	166,200	1330	2,210,400	150,000	142,500	1450	2,066,270
Dunn	700	600	1120	6,720	300	300	1200	3,600
McKenzie	400	400	1790	7,160	300	300	1700	5,100
McLean	4,000	4,000	1650	66,000	1,600	1,500	1550	23,250
Mercer	400	400	1400	5,600	300	300	1350	4,050
Oliver	---	---	---	---	200	200	1370	2,740
West Central	5,500	5,400	1583	85,480	2,700	2,600	1490	38,740
Eddy	100	100	1400	1,400	100	100	1730	1,730
Foster	1,000	1,000	1200	12,000	200	200	1390	2,780
Kidder	600	500	1600	8,000	300	300	1980	5,940
Sheridan	---	---	---	---	500	500	1390	6,950
Stutsman	800	800	1400	11,200	200	200	1290	2,580
Wells	11,500	11,500	1400	161,000	7,700	7,600	1400	106,400
Central	14,000	13,900	1393	193,600	9,000	8,900	1420	126,380
Barnes	1,000	1,000	1600	16,000	500	500	1400	7,000
Cass	37,000	36,000	1650	594,000	28,000	27,500	1750	481,250
Griggs	14,000	13,000	1420	184,600	4,500	4,500	1350	60,750
Steele	38,000	37,000	1460	540,200	29,000	28,500	1840	524,400
Traill	55,000	51,000	1350	688,300	48,000	47,000	1600	751,800
East Central	145,000	138,000	1466	2,023,100	110,000	108,000	1690	1,825,200
Adams	500	500	1150	5,750	100	100	1000	1,000
Billings	---	---	---	---	---	---	---	---
Bowman	500	500	1200	6,000	100	100	780	780
Golden Valley	---	---	---	---	---	---	---	---
Hettinger	3,500	3,500	1120	39,200	1,500	1,500	1500	22,500
Slope	---	---	---	---	100	100	800	800
Stark	500	500	690	3,450	1,100	1,000	1300	13,000
Southwest	5,000	5,000	1088	54,400	2,900	2,800	1360	38,080
Burleigh	1,000	1,000	1450	14,500	500	500	1260	6,300
Emmons	---	---	---	---	300	300	1380	4,140
Grant	2,000	2,000	1000	20,000	400	300	860	2,580
Morton	---	---	---	---	200	200	900	1,800
Sioux	---	---	---	---	---	---	---	---
South Central	3,000	3,000	1150	34,500	1,400	1,300	1140	14,820
Dickey	500	500	1350	6,750	600	600	1900	11,400
LaMoure	4,000	4,000	1520	60,800	2,000	2,000	1960	39,200
Logan	---	---	---	---	---	---	---	---
McIntosh	---	---	---	---	---	---	---	---
Ransom	12,000	12,000	1600	192,000	4,700	4,600	1550	71,300
Richland	6,500	6,500	1530	99,450	5,000	5,000	1690	84,500
Sargent	3,000	3,000	1350	40,500	700	700	1290	9,030
Southeast	26,000	26,000	1537	399,500	13,000	12,900	1670	215,430
STATE	370,000	359,000	1400	5,026,000	290,000	280,000	1550	4,340,000

DRY EDIBLE BEANS
North Dakota, 1985 and 1984

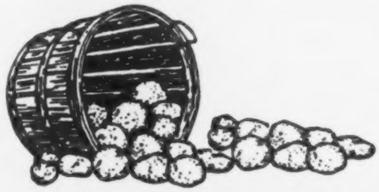
District and County	1985				1984			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Lbs.)	(Cwt.)	(Acres)	(Acres)	(Lbs.)	(Cwt.)
Burke	---	---	---	---	---	---	---	---
Divide	---	---	---	---	---	---	---	---
Mountrail	---	---	---	---	---	---	---	---
Renville	---	---	---	---	---	---	---	---
Ward	---	---	---	---	100	100	900	900
Williams	200	200	1500	3,000	300	300	940	2,820
Northwest	200	200	1500	3,000	400	400	930	3,720
Benson	300	300	1190	3,570	300	300	890	2,670
Bottineau	200	200	1120	2,240	700	700	750	5,250
McHenry	---	---	---	---	---	---	---	---
Pierce	100	100	1030	1,030	200	200	840	1,680
Rolette	---	---	---	---	---	---	---	---
North Central	600	600	1140	6,840	1,200	1,200	800	9,600
Cavalier	1,900	1,600	1230	19,680	1,100	1,100	870	9,570
Grand Forks	62,000	58,500	1351	790,550	43,000	41,600	1370	569,960
Nelson	500	500	950	4,750	600	600	960	5,760
Pembina	35,500	31,000	1150	356,500	29,000	28,400	1370	389,080
Ramsey	2,000	1,700	730	12,410	1,200	1,100	1050	11,550
Towner	2,100	700	930	6,510	1,100	900	750	6,750
Walsh	27,000	23,000	1390	319,700	23,000	22,800	1360	310,080
Northeast	131,000	117,000	1291	1,510,100	99,000	96,500	1350	1,302,750
Dunn	---	---	---	---	---	---	---	---
McKenzie	300	300	1750	5,250	700	700	1630	11,410
McLean	1,000	1,000	1400	14,000	1,200	1,100	1110	12,210
Mercer	200	200	1350	2,700	100	100	960	960
Oliver	100	100	1250	1,250	200	200	1150	2,300
West Central	1,600	1,600	1450	23,200	2,200	2,100	1280	26,880
Eddy	100	100	1390	1,390	100	100	900	900
Foster	---	---	---	---	---	---	---	---
Kidder	400	400	1350	5,400	400	400	1510	6,040
Sheridan	300	300	1370	4,110	300	300	810	2,430
Stutsman	900	900	1240	11,160	900	800	800	6,400
Wells	5,300	3,700	1141	42,200	5,200	5,100	860	43,860
Central	7,000	5,400	1190	64,260	6,900	6,700	890	59,630
Barnes	600	600	1250	7,500	800	800	860	6,880
Cass	28,000	27,300	1150	313,950	23,000	22,500	1180	265,500
Griggs	6,400	5,000	1050	52,500	5,200	5,200	1070	55,640
Steele	24,000	22,300	1280	285,440	18,000	17,500	1150	201,250
Traill	44,000	42,000	1300	545,890	30,000	29,000	1330	385,730
East Central	103,000	97,200	1240	1,205,280	77,000	75,000	1220	915,000
Adams	---	---	---	---	---	---	---	---
Billings	---	---	---	---	---	---	---	---
Bowman	100	100	740	740	600	600	1000	6,000
Golden Valley	---	---	---	---	---	---	---	---
Hettinger	500	400	1040	4,160	500	500	1000	5,000
Slope	---	---	---	---	---	---	---	---
Stark	200	200	770	1,540	---	---	---	---
Southwest	800	700	920	6,440	1,100	1,100	1000	11,000
Burleigh	300	300	1100	3,300	600	600	930	5,580
Emmons	300	300	950	2,850	900	800	1100	8,800
Grant	100	100	1030	1,030	100	100	800	800
Morton	---	---	---	---	200	200	910	1,820
Sioux	400	300	940	2,820	---	---	---	---
South Central	1,100	1,000	1000	10,000	1,800	1,700	1000	17,000
Dickey	1,000	1,000	990	9,900	1,000	1,000	800	8,000
LaMoure	3,000	2,200	810	17,820	3,600	3,600	900	32,400
Logan	---	---	---	---	100	100	780	780
McIntosh	---	---	---	---	---	---	---	---
Ransom	3,200	3,100	1390	43,090	4,000	4,000	1200	48,000
Richland	6,000	5,600	1691	94,670	3,900	3,800	1560	60,040
Sargent	1,500	1,400	1100	15,400	2,800	2,800	900	25,200
Southeast	14,700	13,300	1360	180,880	15,400	15,300	1140	174,420
STATE	260,000	237,000	1270	3,010,000	205,000	200,000	1260	2,520,000

SOYBEANS, SUGARBEETS & POTATOES
North Dakota, 1989 and 1988

District and County	1989				1988			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
				SOYBEANS				
Burke	100	100	7.0	700	500	500	5.0	2,500
Mountrail	500	400	6.0	2,400	200	200	5.0	1,000
Ward	400	300	11.0	3,300	300	300	8.0	2,400
Benson	1,500	1,000	8.0	8,000	1,500	1,000	7.5	7,500
Bottineau	800	800	12.0	9,600	1,100	900	9.0	8,100
Pierce	200	200	7.5	1,500	400	400	7.0	2,800
Rolette	—	—	—	—	200	200	8.0	1,600
Cavalier	300	200	10.0	2,000	1,000	600	12.0	7,200
Grand Forks	43,000	41,500	13.7	568,300	66,000	62,300	22.0	1,369,000
Nelson	3,400	3,300	11.0	36,300	6,000	5,700	17.5	99,800
Pembina	8,000	8,000	18.0	144,000	21,000	19,500	13.5	263,300
Ramsey	1,900	1,700	9.0	15,300	5,000	4,200	9.0	37,800
Towner	400	300	12.0	3,600	3,000	2,500	6.5	16,300
Walsh	3,000	3,000	13.5	40,500	8,000	7,200	13.0	93,600
Eddy	800	800	11.0	8,800	500	500	12.0	6,000
Foster	1,700	1,700	20.0	34,000	1,000	900	17.0	15,300
Kidder	500	400	27.5	11,000	500	500	30.0	15,000
Sheridan	200	200	8.0	1,600	1,000	800	5.0	4,000
Stutsman	3,800	3,700	16.0	59,200	6,000	5,700	9.0	51,300
Wells	2,500	2,100	9.0	18,900	5,000	4,600	7.0	32,200
Barnes	25,000	23,700	16.0	379,200	29,000	27,500	13.0	357,000
Cass	195,000	194,000	19.5	3,780,000	220,000	197,000	14.5	2,850,000
Griggs	7,000	6,500	12.0	78,000	9,000	8,500	16.0	136,000
Steele	24,000	22,800	13.5	307,800	29,000	27,000	22.0	594,000
Traill	59,000	58,000	16.0	928,000	73,000	70,000	26.5	1,853,000
Burleigh	700	500	14.0	7,000	700	500	15.0	7,500
Emmons	200	100	18.0	1,800	200	200	14.0	2,800
Morton	100	—	—	—	100	100	5.0	500
Sioux	500	500	20.0	10,000	500	400	18.0	7,200
Dickey	3,300	2,800	23.0	64,400	5,400	4,500	13.0	58,500
LaMoure	9,500	9,400	20.0	188,000	10,000	8,500	10.0	85,000
Logan	200	200	21.0	4,200	100	100	4.0	400
Ransom	12,000	11,600	22.5	260,700	12,500	11,400	15.0	171,000
Richland	210,000	210,000	30.0	6,300,000	210,000	197,000	20.5	4,043,000
Sargent	20,000	20,000	29.0	580,000	22,000	18,500	11.5	212,900
Other Counties	500	200	9.5	1,900	300	300	15.0	4,500
STATE	640,000	630,000	22.0	13,860,000	750,000	690,000	18.0	12,420,000
				SUGARBEETS				
			(Tons)	(Tons)			(Tons)	(Tons)
Williams	4,200	4,200	20.7	86,800	4,000	4,000	20.8	83,200
Grand Forks	15,700	15,700	14.5	227,300	15,500	15,500	15.4	238,700
Pembina	42,900	42,900	15.0	645,000	42,900	42,400	14.3	606,100
Walsh	33,000	33,000	15.0	496,000	31,900	31,800	12.3	391,100
McKenzie	8,800	8,800	22.6	199,000	8,200	8,200	22.7	186,100
Cass	18,600	18,600	15.0	279,000	19,000	18,800	11.8	221,800
Traill	33,700	33,600	14.5	488,400	32,600	32,100	16.6	532,900
Richland	23,300	23,300	17.4	406,500	23,700	22,700	14.1	320,100
STATE	180,200	180,100	15.7	2,828,000	177,800	175,500	14.7	2,580,000
				POTATOES				
			(Cwt.)	(Cwt.)			(Cwt.)	(Cwt.)
Grand Forks	29,000	28,800	120	3,450,000	29,000	28,800	145	4,175,000
Pembina	36,000	35,500	105	3,713,000	36,000	35,000	115	4,025,000
Towner	3,500	3,400	115	391,000	2,700	2,600	135	350,000
Walsh	62,000	60,000	100	5,980,000	65,000	61,500	90	5,535,000
Traill	4,500	4,400	115	506,000	3,600	3,700	155	574,000
Other Counties	5,000	4,900	210	1,030,000	3,500	3,400	255	866,000
STATE	140,000	137,000	110	15,070,000	140,000	135,000	115	15,525,000

SOYBEANS, SUGARBEETS & POTATOES
North Dakota, 1987 and 1986

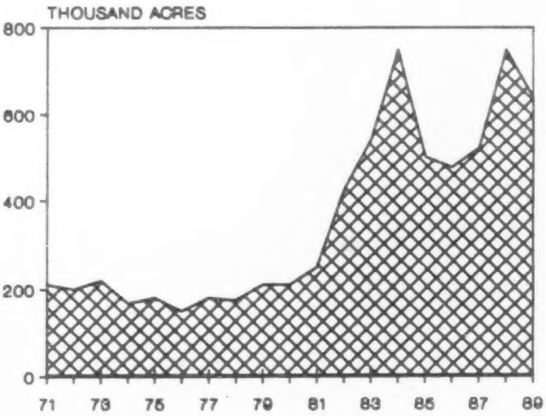
District and County	1987				1986			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
SOYBEANS								
Grand Forks	37,000	36,500	28.8	1,050,500	33,000	32,600	31.5	1,027,000
Nelson	2,000	2,000	25.5	51,000	1,600	1,600	23.5	37,600
Pembina	13,000	13,000	31.0	403,000	9,000	9,000	27.0	243,000
Ramsey	2,000	2,000	25.5	51,000	400	400	18.5	7,400
Towner	1,000	1,000	21.0	21,000				
Walsh	3,000	3,000	27.5	82,500	5,000	5,000	24.0	120,000
Eddy	500	500	25.0	12,500	100	100	21.0	2,100
Foster	---	---	---	---	100	100	28.0	2,800
Sheridan	200	200	27.5	5,500	100	100	23.0	2,300
Stutsman	1,100	1,000	29.5	29,500	300	300	27.7	8,300
Wells	3,700	3,300	25.0	82,500	4,600	4,600	22.5	103,500
Barnes	16,500	16,200	29.0	469,500	4,000	4,000	28.0	112,000
Cass	170,000	168,500	34.5	5,810,000	156,000	155,500	38.0	5,912,500
Griggs	3,500	3,000	27.0	81,000	2,000	2,000	29.5	59,000
Steele	15,000	14,800	30.5	451,000	12,000	11,900	33.5	399,000
Traill	45,000	44,500	33.0	1,468,500	46,000	45,600	35.5	1,620,500
Dickey	1,000	1,000	28.0	28,000	1,000	900	29.6	26,600
LaMoure	2,000	2,000	27.0	54,000	1,500	1,500	27.5	41,300
Ransom	7,000	6,800	31.0	211,000	5,000	4,500	32.5	146,400
Richland	180,000	179,500	33.0	5,925,000	187,000	184,300	34.6	6,377,500
Sargent	15,000	14,700	28.0	412,000	5,500	5,300	35.5	188,200
Other Counties	1,500	1,500	26.0	39,000	800	700	18.6	13,000
STATE	520,000	515,000	32.5	16,738,000	475,000	470,000	35.0	16,450,000
SUGARBEETS								
			(Tons)	(Tons)			(Tons)	(Tons)
Williams	4,000	4,000	21.2	84,800	4,100	4,100	18.0	73,800
Grand Forks	12,000	12,000	21.0	252,000	12,900	12,900	18.7	241,300
Pembina	37,500	37,500	19.6	736,700	38,800	38,800	16.9	655,500
Walsh	30,100	30,100	19.2	579,400	28,900	28,800	18.0	518,400
McKenzie	8,300	8,300	25.2	209,200	8,200	8,000	22.1	176,800
Cass	17,800	17,800	17.5	311,500	17,900	17,800	18.8	334,600
Traill	30,600	28,800	19.8	570,200	30,200	29,800	17.8	530,400
Richland	23,000	22,800	18.3	417,200	23,800	23,600	17.0	401,200
STATE	163,300	161,300	19.6	3,161,000	164,800	163,800	17.9	2,932,000
POTATOES								
			(Cwt.)	(Cwt.)			(Cwt.)	(Cwt.)
Grand Forks	28,000	27,000	190	5,130,000	26,600	26,300	185	4,866,000
Pembina	30,500	30,000	185	5,550,000	35,200	30,500	180	5,490,000
Towner	2,800	2,600	195	507,000	2,500	2,200	155	341,000
Walsh	64,500	63,000	180	11,360,000	56,200	53,700	175	9,399,000
Traill	5,200	3,900	170	663,000	4,200	4,100	195	800,000
Other Counties	4,000	3,500	240	840,000	3,300	3,200	220	704,000
STATE	135,000	130,000	185	24,050,000	128,000	120,000	180	21,600,000



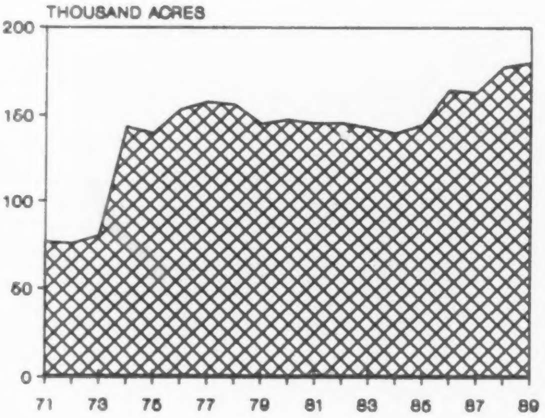
SOYBEANS, SUGARBEETS & POTATOES
North Dakota, 1985 and 1984

District and County	1985				1984			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
SOYBEANS								
Benson	---	---	---	—	1,600	1,500	12.6	18,900
Bottineau	---	---	---	—	300	200	9.0	1,800
Cavalier	100	100	8.0	800	400	400	13.0	5,200
Grand Forks	44,000	43,300	17.0	736,000	72,000	71,000	23.4	1,663,100
Nelson	3,000	2,700	13.0	35,000	5,700	5,300	17.0	90,100
Pembina	17,500	16,500	18.0	297,000	33,500	33,000	23.0	759,000
Ramsey	1,100	700	8.0	5,600	2,300	2,300	15.0	34,500
Towner	300	200	10.0	2,000	2,100	2,000	11.5	23,000
Walsh	9,000	7,800	17.1	133,600	19,000	18,500	22.5	416,300
Eddy	---	---	---	—	700	700	11.0	7,700
Foster	100	100	20.0	2,000	700	700	13.6	9,500
Kidder	100	100	15.0	1,500	800	800	13.5	10,800
Sheridan	600	600	14.0	8,400	1,500	1,500	12.5	18,800
Stutsman	400	400	20.0	8,000	3,300	3,300	13.5	44,600
Wells	2,300	2,200	11.9	26,100	7,500	7,300	11.0	80,200
Barnes	6,500	6,100	20.0	122,000	11,500	11,100	17.0	188,700
Cass	148,000	146,000	28.3	4,138,200	220,000	218,000	22.2	4,833,200
Griggs	2,500	2,400	12.0	28,800	6,500	6,400	15.0	96,000
Steele	15,000	14,500	19.5	283,000	30,000	29,500	20.5	604,800
Traill	63,000	62,000	25.0	1,550,000	97,000	96,000	25.0	2,400,000
Adams	---	---	---	—	200	200	10.0	2,000
Hettinger	---	---	---	—	700	700	10.0	7000
Dickey	1,800	1,700	16.0	27,200	5,400	5,300	15.0	79,500
LaMoure	2,000	1,800	21.5	38,700	8,100	7,900	14.0	110,600
Logan	---	---	---	—	300	300	11.0	3,300
McIntosh	---	---	---	—	12,200	11,700	20.0	234,000
Ransom	7,000	6,900	24.0	165,700	197,000	195,000	26.3	5,125,200
Richland	170,000	168,500	29.9	5,034,400	7,000	6,800	18.0	122,400
Sargent	4,200	4,100	20.5	84,000	—	—	—	—
Other Counties	1,500	1,300	9.2	12,000	2,700	2,600	11.5	29,800
STATE	500,000	490,000	26.0	12,740,000	750,000	740,000	23.0	17,020,000
SUGARBEETS								
			(Tons)	(Tons)			(Tons)	(Tons)
Williams	4,100	4,100	16.9	69,300	4,000	4,000	14.4	57,600
Grand Forks	10,300	10,300	16.7	172,000	10,400	10,300	16.8	173,000
Pembina	32,100	32,100	15.2	486,700	28,600	28,500	16.7	475,800
Walsh	26,700	26,700	16.4	437,900	25,200	25,200	17.1	430,900
McKenzie	8,000	8,000	19.6	156,800	8,200	8,100	16.8	136,000
Cass	17,300	17,100	15.6	266,800	17,100	17,000	15.4	261,800
Steele	—	—	—	—	300	300	16.3	4,900
Traill	25,900	25,600	16.7	427,500	24,100	24,000	16.4	393,600
Richland	20,400	20,300	20.0	406,000	21,900	21,700	17.3	375,400
STATE	144,800	144,200	16.8	2,423,000	139,800	139,100	16.6	2,309,000
POTATOES								
			(Cwt.)	(Cwt.)			(Cwt.)	(Cwt.)
Grand Forks	29,000	28,000	180	5,040,000	26,800	25,000	155	3,875,000
Pembina	39,700	38,500	160	6,160,000	36,400	36,300	165	5,989,500
Towner	2,900	2,900	180	522,000	2,400	2,400	125	300,000
Walsh	64,500	61,000	170	10,355,000	62,800	62,300	150	9,345,500
Traill	5,600	5,400	175	945,000	5,000	4,500	140	630,000
Other Counties	3,300	3,200	190	608,000	2,600	2,500	190	475,000
STATE	145,000	139,000	170	23,630,000	136,000	133,000	155	20,615,000

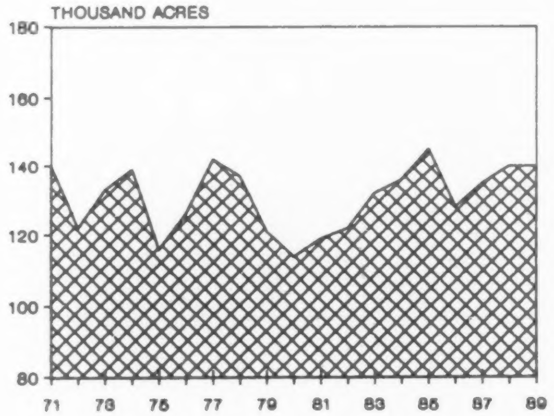
SOYBEAN PLANTED ACRES
NORTH DAKOTA, 1971 - 89



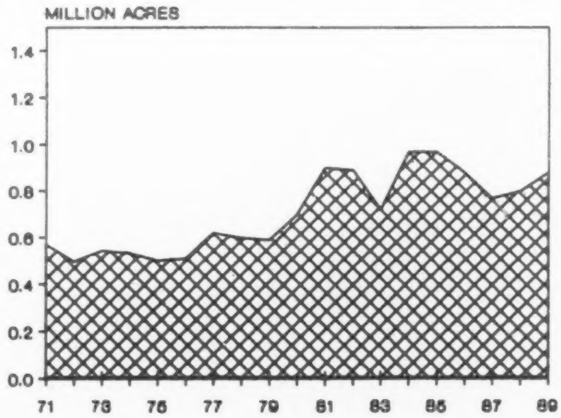
SUGARBEET PLANTED ACRES
NORTH DAKOTA, 1971 - 89



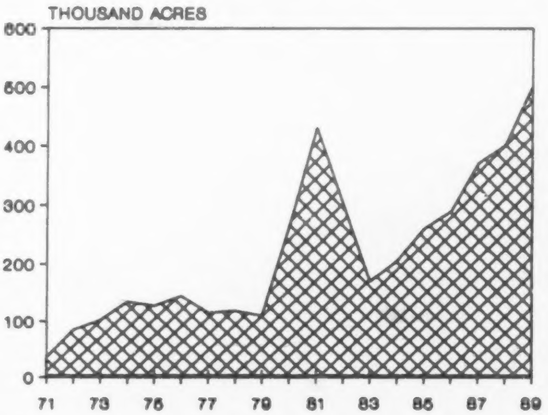
POTATO PLANTED ACRES
NORTH DAKOTA, 1971 - 89



CORN PLANTED ACRES
NORTH DAKOTA, 1971 - 89



DRY BEAN PLANTED ACRES
NORTH DAKOTA, 1971 - 89



IRRIGATION
ALL WHEAT, SPRING WHEAT OTHER THAN DURUM, DURUM WHEAT AND BARLEY
North Dakota, 1989

District and County	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
	ALL WHEAT				SPRING WHEAT OTHER THAN DURUM			
Divide	1,600	1,600	48.9	78,200	---	---	---	---
Ward	200	200	47.5	9,500	100	100	45.0	4,500
Williams	3,500	3,500	60.7	212,600	1,100	1,100	62.8	69,100
Benson	1,300	1,300	47.8	62,200	900	900	54.7	49,200
McHenry	200	200	45.0	9,000	200	200	45.0	9,000
Grand Forks	800	700	50.0	35,000	800	700	50.0	35,000
Walsh	100	100	45.0	4,500	100	100	45.0	4,500
McKenzie	6,100	6,100	64.5	393,500	6,100	6,100	64.5	393,500
McLean	1,100	1,100	57.3	63,000	600	600	55.0	33,000
Mercer	100	100	50.0	5,000	100	100	50.0	5,000
Eddy	400	300	30.0	9,000	100	100	40.0	4,000
Foster	500	500	38.0	19,000	400	400	40.5	16,200
Kidder	300	200	35.0	7,000	300	200	35.0	7,000
Barnes	300	300	45.0	13,500	300	300	45.0	13,500
Cass	1,100	1,100	50.0	55,000	400	400	50.0	20,000
Griggs	400	400	50.0	20,000	400	400	50.0	20,000
Steele	300	300	45.0	13,500	300	300	45.0	13,500
Emmons	800	700	68.6	48,000	800	700	68.6	48,000
Dickey	100	100	40.0	4,000	---	---	---	---
LaMoure	200	200	47.5	9,500	200	200	47.5	9,500
Logan	100	100	50.0	5,000	100	100	50.0	5,000
Ransom	300	300	60.0	18,000	300	300	60.0	18,000
STATE	19,800	19,400	56.4	1,094,000	13,600	13,300	58.5	777,500
	DURUM WHEAT				BARLEY			
Divide	1,600	1,600	48.9	78,200	---	---	---	---
Ward	100	100	50.0	5,000	---	---	---	---
Williams	2,400	2,400	59.8	143,500	100	100	66.0	6,600
Benson	400	400	32.5	13,000	100	100	20.0	2,000
Rolette	---	---	---	---	100	100	55.0	5,500
Grand Forks	---	---	---	---	300	300	65.0	19,500
Dunn	---	---	---	---	100	100	50.0	5,000
McKenzie	---	---	---	---	400	400	88.5	35,400
McLean	500	500	60.0	30,000	200	200	70.0	14,000
Eddy	300	200	25.0	5,000	300	300	59.7	17,900
Foster	100	100	28.0	2,800	100	100	69.0	6,900
Barnes	---	---	---	---	100	100	78.0	7,800
Cass	700	700	50.0	35,000	---	---	---	---
Griggs	---	---	---	---	300	300	57.3	17,200
Golden Valley	---	---	---	---	300	300	60.0	18,000
Grant	---	---	---	---	100	100	66.0	6,600
Morton	---	---	---	---	100	100	68.0	6,800
Dickey	100	100	40.0	4,000	100	100	78.0	7,800
Logan	---	---	---	---	100	100	65.0	6,500
STATE	6,200	6,100	51.9	316,500	3,200	2,800	65.5	183,500

IRRIGATION
ALL WHEAT, SPRING WHEAT OTHER THAN DURUM, DURUM WHEAT AND BARLEY
North Dakota, 1988

District and County	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
		ALL WHEAT				SPRING WHEAT OTHER THAN DURUM		
Divide	2,100	2,100	23.0	48,300	—	—	—	—
Ward	400	400	20.0	8,000	200	200	20.0	4,000
Williams	3,900	3,500	23.9	83,500	1,100	1,000	16.0	16,000
Benson	1,000	900	21.1	19,000	700	700	22.0	15,400
Bottineau	300	300	35.7	10,700	300	300	35.7	10,700
McHenry	400	400	22.0	8,800	400	400	22.0	8,800
Grand Forks	700	700	45.0	31,500	700	700	45.0	31,500
Walsh	100	100	50.0	5,000	100	100	50.0	5,000
McKenzie	6,100	5,900	25.9	153,100	6,000	5,800	26.1	151,400
McLean	1,400	1,300	20.5	26,600	1,000	900	21.6	19,400
Eddy	600	600	20.0	12,000	600	600	20.0	12,000
Foster	500	500	30.0	15,000	500	500	30.0	15,000
Kidder	1,000	700	16.7	11,700	900	600	17.5	10,500
Stutsman	500	400	18.0	7,200	500	400	18.0	7,200
Barnes	700	700	28.0	19,600	700	700	28.0	19,600
Cass	2,000	2,000	36.7	73,300	1,000	1,000	32.9	32,900
Griggs	500	500	28.0	14,000	—	—	—	—
Steele	200	200	40.0	8,000	200	200	40.0	8,000
Traill	100	100	40.0	4,000	100	100	40.0	4,000
Bowman	100	100	22.0	2,200	100	100	22.0	2,200
Burleigh	100	—	—	—	100	—	—	—
Emmons	700	600	18.0	10,800	700	600	18.0	10,800
Sioux	400	300	16.0	4,800	400	300	16.0	4,800
Dickey	600	600	26.0	15,600	600	600	26.0	15,600
LaMoure	400	300	22.7	6,800	400	300	22.7	6,800
Ransom	300	300	30.0	9,000	300	300	30.0	9,000
Sargent	100	100	23.0	2,300	100	100	23.0	2,300
STATE	25,200	23,600	25.9	610,800	17,700	16,500	25.6	422,900
		DURUM WHEAT				BARLEY		
Divide	2,100	2,100	23.0	48,300	—	—	—	—
Ward	200	200	20.0	4,000	—	—	—	—
Williams	2,800	2,500	27.0	67,500	300	200	28.0	5,600
Benson	300	200	18.0	3,600	200	200	55.0	11,000
Bottineau	—	—	—	—	100	100	50.0	5,000
McHenry	—	—	—	—	200	200	40.0	8,000
Pierce	—	—	—	—	100	100	50.0	5,000
Rolette	—	—	—	—	100	100	55.0	5,500
Dunn	—	—	—	—	100	100	30.0	3,000
McKenzie	100	100	17.0	1,700	700	500	33.6	16,800
McLean	400	400	18.0	7,200	200	200	35.0	7,000
Mercer	—	—	—	—	100	100	32.0	3,200
Eddy	—	—	—	—	300	300	55.0	16,500
Foster	—	—	—	—	200	200	60.0	12,000
Kidder	100	100	12.0	1,200	—	—	—	—
Stutsman	—	—	—	—	200	100	26.0	2,600
Cass	1,000	1,000	40.4	40,400	300	300	60.0	18,000
Griggs	500	500	28.0	14,000	500	500	57.2	28,600
Bowman	—	—	—	—	100	100	35.0	3,500
Hettinger	—	—	—	—	200	200	35.0	7,000
Emmons	—	—	—	—	400	200	25.0	5,000
Grant	—	—	—	—	100	100	30.0	3,000
Morton	—	—	—	—	200	100	25.0	2,500
Dickey	—	—	—	—	400	400	53.3	21,300
Logan	—	—	—	—	300	300	55.0	16,500
STATE	7,500	7,100	26.5	187,900	5,300	4,600	44.9	206,600

IRRIGATION
ALL WHEAT, SPRING WHEAT OTHER THAN DURUM, DURUM WHEAT AND BARLEY
North Dakota, 1987

District and County	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
	ALL WHEAT				SPRING WHEAT OTHER THAN DURUM			
Divide	1,500	1,500	55.0	82,500	---	---	---	---
Ward	300	300	45.0	13,500	300	300	45.0	13,500
Williams	3,800	3,800	55.3	210,200	2,000	2,000	59.0	118,000
Benson	1,300	1,300	34.9	45,400	900	900	32.0	28,800
Bottineau	200	200	40.0	8,000	200	200	40.0	8,000
McHenry	300	300	46.0	13,800	300	300	46.0	13,800
Grand Forks	600	600	45.0	27,000	600	600	45.0	27,000
Walsh	100	100	40.0	4,000	100	100	40.0	4,000
McKenzie	4,800	4,800	67.5	324,000	4,800	4,800	67.5	324,000
McLean	1,900	1,900	40.7	77,400	1,400	1,400	41.0	57,400
Mercer	100	100	35.0	3,500	100	100	35.0	3,500
Oliver	100	100	40.0	4,000	100	100	40.0	4,000
Eddy	500	500	35.0	17,500	500	500	35.0	17,500
Foster	800	800	35.0	28,000	800	800	35.0	28,000
Kidder	1,100	1,100	43.5	47,900	1,100	1,100	43.5	47,900
Stutsman	300	300	47.0	14,100	300	300	47.0	14,100
Barnes	500	500	40.0	20,000	500	500	40.0	20,000
Cass	1,700	1,700	43.5	74,000	1,700	1,700	43.5	74,000
Griggs	700	700	38.3	26,800	600	600	38.0	22,800
Steele	500	500	42.0	21,000	400	400	40.0	16,000
Traill	100	100	45.0	4,500	100	100	45.0	4,500
Burleigh	100	100	45.0	4,500	100	100	45.0	4,500
Emmons	1,000	1,000	55.0	55,000	1,000	1,000	55.0	55,000
Morton	100	100	40.0	4,000	100	100	40.0	4,000
Sioux	400	400	40.0	16,000	400	400	40.0	16,000
Dickey	700	700	58.1	40,700	300	300	65.0	19,500
LaMoure	500	500	50.0	25,000	200	200	50.0	10,000
Logan	400	400	60.0	24,000	400	400	60.0	24,000
Ransom	700	700	50.0	35,000	700	700	50.0	35,000
Sargent	100	100	50.0	5,000	100	100	50.0	5,000
STATE	25,200	25,200	50.6	1,276,300	20,100	20,100	50.7	1,019,800
	DURUM WHEAT				BARLEY			
Divide	1,500	1,500	55.0	82,500	---	---	---	---
Ward	---	---	---	---	200	200	55.0	11,000
Williams	1,800	1,800	51.2	92,200	300	300	60.0	18,000
Benson	400	400	41.5	16,600	200	200	70.0	14,000
Rolette	---	---	---	---	100	100	65.0	6,500
Grand Forks	---	---	---	---	100	100	65.0	6,500
McKenzie	---	---	---	---	700	700	82.7	57,900
McLean	500	500	40.0	20,000	300	300	90.0	27,000
Mercer	---	---	---	---	100	100	80.0	8,000
Oliver	---	---	---	---	100	100	80.0	8,000
Eddy	---	---	---	---	200	200	75.0	15,000
Kidder	---	---	---	---	200	200	65.0	13,000
Stutsman	---	---	---	---	100	100	75.0	7,500
Barnes	---	---	---	---	200	200	60.0	12,000
Cass	---	---	---	---	200	200	70.0	14,000
Griggs	100	100	40.0	4,000	500	500	65.0	32,500
Steele	100	100	50.0	5,000	---	---	---	---
Golden Valley	---	---	---	---	300	300	72.0	21,600
Burleigh	---	---	---	---	100	100	74.0	7,400
Emmons	---	---	---	---	500	500	70.0	35,000
Grant	---	---	---	---	200	200	65.0	13,000
Morton	---	---	---	---	300	300	68.0	20,400
Sioux	---	---	---	---	100	100	50.0	5,000
Dickey	400	400	53.0	21,200	300	300	80.0	24,000
LaMoure	300	300	50.0	15,000	100	100	75.0	7,500
Logan	---	---	---	---	300	300	65.3	19,600
Ransom	---	---	---	---	100	100	75.0	7,500
Sargent	---	---	---	---	100	100	80.0	8,000
STATE	5,100	5,100	50.3	256,500	5,900	5,900	71.2	419,900

IRRIGATION
ALL WHEAT, SPRING WHEAT OTHER THAN DURUM, DURUM WHEAT AND BARLEY
North Dakota, 1986

District and County	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
	ALL WHEAT				SPRING WHEAT OTHER THAN DURUM			
Divide	1,700	1,600	59.0	94,400	500	500	52.4	26,200
Ward	500	500	46.0	23,000	500	500	46.0	23,000
Williams	4,100	4,100	54.9	225,200	3,000	3,000	57.5	172,500
Benson	1,700	1,700	36.4	61,900	400	400	41.0	16,400
McHenry	300	300	54.0	16,200	300	300	54.0	16,200
Grand Forks	1,000	1,000	53.0	53,000	1,000	1,000	53.0	53,000
Ramsey	200	200	40.0	8,000	100	100	40.0	4,000
Walsh	100	100	45.0	4,500	100	100	45.0	4,500
McKenzie	5,500	5,400	67.0	361,800	5,500	5,400	67.0	361,800
McLean	2,300	2,300	42.3	97,300	1,300	1,300	41.0	53,300
Mercer	100	100	40.0	4,000	100	100	40.0	4,000
Oliver	300	300	43.0	12,900	300	300	43.0	12,900
Eddy	500	500	40.0	20,000	500	500	40.0	20,000
Foster	700	700	39.3	27,500	500	500	41.0	20,500
Kidder	2,000	2,000	48.5	97,000	2,000	2,000	48.5	97,000
Stutsman	200	200	41.0	8,200	100	100	42.0	4,200
Barnes	700	700	35.0	24,500	700	700	35.0	24,500
Cass	2,300	2,300	38.3	88,200	1,700	1,700	36.0	61,200
Griggs	500	500	40.0	20,000	500	500	40.0	20,000
Steele	500	500	46.0	23,000	400	400	45.0	18,000
Traill	100	100	50.0	5,000	100	100	50.0	5,000
Burleigh	100	100	60.0	6,000	100	100	60.0	6,000
Emmons	1,000	1,000	54.0	54,000	1,000	1,000	54.0	54,000
Grant	100	100	45.0	4,500	100	100	45.0	4,500
Sioux	200	200	40.0	8,000	200	200	40.0	8,000
Dickey	1,000	1,000	29.0	29,000	200	200	45.0	9,000
LaMoure	800	800	33.1	26,500	700	700	35.0	24,500
Logan	300	300	34.0	10,200	200	200	40.0	8,000
Ransom	700	700	55.0	38,500	700	700	55.0	38,500
Sargent	100	100	22.0	2,200	—	—	—	—
STATE	29,600	29,400	49.5	1,454,500	22,800	22,700	51.6	1,170,700
	DURUM WHEAT				BARLEY			
Divide	1,200	1,100	62.0	68,200	—	—	—	—
Ward	—	—	—	—	200	200	55.0	11,000
Williams	1,100	1,100	47.9	52,700	300	300	69.0	20,700
Benson	1,300	1,300	35.0	45,500	100	100	75.0	7,500
McHenry	—	—	—	—	100	100	75.0	7,500
Rolette	—	—	—	—	100	100	70.0	7,000
Grand Forks	—	—	—	—	100	100	80.0	8,000
Ramsey	100	100	40.0	4,000	100	100	70.0	7,000
McKenzie	—	—	—	—	1,400	1,300	87.6	113,900
McLean	1,000	1,000	44.0	44,000	200	200	80.0	16,000
Oliver	—	—	—	—	700	600	50.0	30,000
Eddy	—	—	—	—	400	400	80.0	32,000
Foster	200	200	35.0	7,000	200	200	75.0	15,000
Kidder	—	—	—	—	300	300	65.0	19,500
Stutsman	100	100	40.0	4,000	—	—	—	—
Cass	600	600	45.0	27,000	—	—	—	—
Griggs	—	—	—	—	400	400	65.0	26,000
Steele	100	100	50.0	5,000	—	—	—	—
Golden Valley	—	—	—	—	400	400	70.0	28,000
Burleigh	—	—	—	—	500	500	70.0	35,000
Emmons	—	—	—	—	600	500	70.0	35,000
Grant	—	—	—	—	100	100	65.0	6,500
Morton	—	—	—	—	100	100	75.0	7,500
Dickey	800	800	25.0	20,000	700	700	63.6	44,500
LaMoure	100	100	20.0	2,000	300	300	55.0	16,500
Logan	100	100	22.0	2,200	100	100	50.0	5,000
Ransom	—	—	—	—	300	300	60.0	18,000
Sargent	100	100	22.0	2,200	100	100	85.0	8,500
STATE	6,800	6,700	42.4	283,800	7,800	7,500	70.1	525,600

IRRIGATION
ALL WHEAT, SPRING WHEAT OTHER THAN DURUM, DURUM WHEAT AND BARLEY
North Dakota, 1985

District and County	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
	ALL WHEAT				SPRING WHEAT OTHER THAN DURUM			
Divide	1,600	1,600	62.9	100,700	900	900	54.8	49,300
Ward	200	200	45.0	9,000	200	200	45.0	9,000
Williams	3,300	3,300	55.6	183,500	2,100	2,100	54.0	113,400
Benson	800	800	45.6	36,500	500	500	40.0	20,000
McHenry	200	200	50.0	10,000	200	200	50.0	10,000
Grand Forks	300	300	60.0	18,000	300	300	60.0	18,000
Nelson	200	200	65.0	13,000	200	200	65.0	13,000
Walsh	100	100	65.0	6,500	100	100	65.0	6,500
McKenzie	5,200	5,200	71.0	369,200	5,200	5,200	71.0	369,200
McLean	1,800	1,800	47.0	84,600	1,200	1,200	48.0	57,600
Mercer	200	200	40.0	8,000	200	200	40.0	8,000
Oliver	100	100	70.0	7,000	100	100	70.0	7,000
Foster	200	200	40.0	8,000	---	---	---	---
Kidder	1,300	1,300	45.0	58,500	1,300	1,300	45.0	58,500
Barnes	100	100	53.0	5,300	100	100	53.0	5,300
Cass	1,700	1,700	59.5	101,200	---	---	---	---
Griggs	400	400	45.0	18,000	400	400	45.0	18,000
Steele	300	300	50.0	15,000	300	300	50.0	15,000
Traill	200	200	60.0	12,000	200	200	60.0	12,000
Emmons	600	600	50.0	30,000	600	600	50.0	30,000
Grant	100	100	45.0	4,500	100	100	45.0	4,500
Morton	100	100	45.0	4,500	100	100	45.0	4,500
Dickey	700	700	46.0	32,200	700	700	46.0	32,200
LaMoure	700	700	42.9	30,000	300	300	45.7	13,700
Logan	100	100	45.0	4,500	100	100	45.0	4,500
Ransom	200	200	40.0	8,000	---	---	---	---
Sargent	300	300	50.0	15,000	300	300	50.0	15,000
STATE	21,000	21,000	56.8	1,192,700	15,700	15,700	57.0	894,200
	DURUM WHEAT				BARLEY			
Divide	700	700	73.4	51,400	100	100	72.0	7,200
Ward	---	---	---	---	100	100	50.0	5,000
Williams	1,200	1,200	58.4	70,100	100	100	62.0	6,200
Benson	300	300	55.0	16,500	100	100	80.0	8,000
McHenry	---	---	---	---	100	100	80.0	8,000
Nelson	---	---	---	---	100	100	50.0	5,000
McKenzie	---	---	---	---	800	800	87.3	69,800
McLean	600	600	45.0	27,000	200	200	76.5	15,300
Oliver	---	---	---	---	100	100	86.0	8,600
Eddy	---	---	---	---	200	200	80.0	16,000
Foster	200	200	40.0	8,000	200	200	80.0	16,000
Kidder	---	---	---	---	100	100	61.0	6,100
Barnes	---	---	---	---	100	100	80.0	8,000
Cass	1,700	1,700	59.5	101,200	---	---	---	---
Griggs	---	---	---	---	600	600	90.0	54,000
Emmons	---	---	---	---	100	100	80.0	8,000
Grant	---	---	---	---	100	100	75.0	7,500
Morton	---	---	---	---	100	100	75.0	7,500
Dickey	---	---	---	---	400	400	96.0	38,400
LaMoure	400	400	40.8	16,300	---	---	---	---
Logan	---	---	---	---	100	100	80.0	8,000
Ransom	200	200	40.0	8,000	300	300	75.0	22,500
STATE	5,300	5,300	56.3	298,500	4,000	4,000	81.3	325,100

IRRIGATION
ALL WHEAT, SPRING WHEAT OTHER THAN DURUM, DURUM WHEAT AND BARLEY
North Dakota, 1984

District and County	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
	ALL WHEAT				SPRING WHEAT OTHER THAN DURUM			
Divide	1,400	1,400	63.6	89,000	800	800	67.0	53,600
Ward	100	100	45.0	4,500	---	---	---	---
Williams	2,300	2,300	50.2	115,400	1,400	1,400	49.0	68,600
Benson	500	500	40.2	20,100	200	200	42.0	8,400
McHenry	100	100	40.0	4,000	---	---	---	---
Grand Forks	400	400	70.0	28,000	400	400	70.0	28,000
Nelson	100	100	60.0	6,000	100	100	60.0	6,000
Walsh	100	100	65.0	6,500	100	100	65.0	6,500
McKenzie	4,900	4,900	62.9	308,400	4,800	4,800	63.0	302,400
McLean	1,200	1,200	54.2	65,000	1,000	1,000	55.0	55,000
Mercer	100	100	40.0	4,000	100	100	40.0	4,000
Oliver	100	100	40.0	4,000	100	100	40.0	4,000
Eddy	100	100	40.0	4,000	100	100	40.0	4,000
Foster	100	100	40.0	4,000	100	100	40.0	4,000
Kidder	1,300	1,300	44.0	57,200	1,300	1,300	44.0	57,200
Stutsman	100	100	38.0	3,800	100	100	38.0	3,800
Barnes	200	200	60.0	12,000	200	200	60.0	12,000
Cass	800	800	60.0	48,000	---	---	---	---
Griggs	600	600	45.0	27,000	---	---	---	---
Steele	200	200	50.0	10,000	200	200	50.0	10,000
Traill	100	100	65.0	6,500	100	100	65.0	6,500
Golden Valley	200	200	35.0	7,000	200	200	35.0	7,000
Emmons	600	600	60.0	36,000	600	600	60.0	36,000
Dickey	400	400	42.0	16,800	400	400	42.0	16,800
LaMoure	500	500	46.8	23,400	200	200	42.0	8,400
Ransom	500	500	56.0	28,000	300	300	60.0	18,000
STATE	17,000	17,000	55.2	938,600	12,800	12,800	56.3	720,200
	DURUM WHEAT				BARLEY			
Divide	600	600	59.0	35,400	100	100	87.0	8,700
Ward	100	100	45.0	4,500	---	---	---	---
Williams	900	900	52.0	46,800	200	200	64.0	12,800
Benson	300	300	39.0	11,700	200	200	93.0	18,600
McHenry	100	100	40.0	4,000	---	---	---	---
Nelson	---	---	---	---	100	100	90.0	9,000
McKenzie	100	100	60.0	6,000	300	300	78.7	23,600
McLean	200	200	50.0	10,000	300	300	87.0	26,100
Mercer	---	---	---	---	100	100	70.0	7,000
Oliver	---	---	---	---	100	100	70.0	7,000
Eddy	---	---	---	---	300	300	100.0	30,000
Foster	---	---	---	---	100	100	100.0	10,000
Kidder	---	---	---	---	300	300	70.0	21,000
Cass	800	800	60.0	48,000	200	200	100.0	20,000
Griggs	600	600	45.0	27,000	---	---	---	---
Golden Valley	---	---	---	---	200	200	80.0	16,000
Emmons	---	---	---	---	100	100	80.0	8,000
Morton	---	---	---	---	100	100	80.0	8,000
Dickey	---	---	---	---	500	500	107.2	53,600
LaMoure	300	300	50.0	15,000	---	---	---	---
Logan	---	---	---	---	100	100	80.0	8,000
Ransom	200	200	50.0	10,000	300	300	68.0	20,400
STATE	4,200	4,200	52.0	218,400	3,600	3,600	85.5	307,800

IRRIGATION
CORN FOR GRAIN AND CORN FOR SILAGE
North Dakota, 1989-87

County	1989			1988			1987		
	Acres Harvested	Yield per Harvested Acre	Production	Acres Harvested	Yield per Harvested Acre	Production	Acres Harvested	Yield per Harvested Acre	Production
	(Acres)	(Bu.)	(Bu.)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Bu.)	(Bu.)
CORN FOR GRAIN									
Ward	100	55.0	5,500	---	---	---	200	85.0	17,000
Williams	100	60.0	6,000	100	52.0	5,200	200	112.0	22,400
Benson	800	68.0	54,400	800	83.3	66,600	900	80.0	72,000
Bottineau	200	72.0	14,400	---	---	---	---	---	---
McHenry	800	105.0	84,000	700	102.0	71,400	700	87.0	60,900
Pierce	200	80.0	16,000	---	---	---	---	---	---
Grand Forks	1,100	102.0	112,200	1,400	106.6	149,200	900	130.0	117,000
Nelson	100	95.0	9,500	100	75.0	7,500	---	---	---
Pembina	---	---	---	---	---	---	200	110.0	22,000
McKenzie	600	100.0	60,000	500	119.6	59,800	400	118.0	47,200
McLean	800	90.0	72,000	1,000	100.2	100,200	1,000	115.0	115,000
Mercer	200	92.0	18,400	200	101.0	20,200	800	85.0	68,000
Eddy	500	101.0	50,500	400	86.0	34,400	400	89.5	35,800
Foster	1,600	92.0	147,200	900	124.0	111,600	1,500	90.0	135,000
Kidder	3,800	106.0	402,800	3,000	94.0	281,900	3,100	128.5	398,400
Stutsman	1,700	89.0	151,300	1,000	124.0	124,000	1,300	96.0	124,800
Wells	200	72.0	14,400	400	88.0	35,200	---	---	---
Barnes	1,300	103.0	133,900	1,100	99.0	108,900	1,300	135.0	175,500
Cass	5,300	101.0	535,400	5,800	106.5	617,800	6,400	107.5	688,000
Griggs	1,500	75.0	112,500	1,300	74.0	96,200	500	93.0	46,500
Steele	1,500	90.0	135,000	1,200	78.0	93,600	1,200	134.8	161,800
Traill	100	65.0	6,500	---	---	---	---	---	---
Hettinger	100	50.0	5,000	---	---	---	---	---	---
Burleigh	800	65.0	52,000	300	68.7	20,600	800	128.5	102,800
Emmons	1,900	115.0	218,500	900	66.0	59,400	1,900	145.0	275,500
Grant	500	75.0	37,500	1,000	74.0	74,000	---	---	---
Morton	1,100	68.0	74,800	300	73.7	22,100	300	95.0	28,500
Sioux	200	73.0	14,600	100	59.0	5,900	500	89.0	44,500
Dickey	9,000	130.0	1,170,000	7,800	128.0	998,400	7,900	150.9	1,192,100
LaMoure	2,400	117.0	280,800	2,500	107.5	268,800	2,100	115.5	242,600
Logan	500	115.0	57,500	400	98.0	39,200	400	123.5	49,400
Ransom	12,000	132.0	1,584,000	12,100	120.0	1,452,000	12,600	135.0	1,701,000
Richland	1,400	117.0	163,800	1,400	101.0	141,400	1,100	118.5	130,400
Sargent	6,200	123.0	762,600	6,000	122.0	732,000	6,300	143.0	900,900
STATE	58,600	112.0	6,563,000	52,700	110.0	5,797,500	54,900	127.0	6,975,000
CORN FOR SILAGE									
	(Acres)	(Ton)	(Ton)	(Acres)	(Ton)	(Ton)	(Acres)	(Ton)	(Ton)
Divide	---	---	---	100	6.0	600	100	12.0	1,200
Ward	100	12.0	1,200	200	14.5	2,900	---	---	---
Williams	300	14.0	4,200	400	17.0	6,800	400	13.5	5,400
Benson	500	6.6	3,300	300	10.7	3,200	---	---	---
McHenry	300	6.7	2,000	400	11.0	4,400	600	15.7	9,400
Pierce	100	7.0	700	100	10.0	1,000	---	---	---
Rolette	100	5.0	500	100	7.0	700	200	10.0	2,000
Nelson	200	10.5	2,100	100	12.0	1,200	300	13.7	4,100
Pembina	100	9.0	900	---	---	---	---	---	---
Dunn	100	12.0	1,200	---	---	---	100	16.0	1,600
McKenzie	1,200	14.9	17,900	1,200	15.5	18,600	1,100	18.4	20,200
McLean	1,000	15.5	15,500	700	15.0	10,500	700	17.0	11,900
Mercer	1,000	14.1	14,100	900	18.0	16,200	300	14.0	4,200
Oliver	1,300	12.0	15,600	1,000	13.5	13,500	1,000	15.0	15,000
Eddy	100	13.0	1,300	100	12.0	1,200	200	10.5	2,100
Foster	100	16.0	1,600	800	14.5	11,600	200	10.5	2,100
Kidder	900	10.4	9,400	1,100	10.5	11,500	500	11.0	5,500
Stutsman	800	11.9	9,500	600	12.0	7,200	1,200	13.4	16,100
Wells	---	---	---	---	---	---	300	10.0	3,000
Barnes	200	12.5	2,500	200	12.5	2,500	---	---	---
Griggs	700	14.1	9,900	400	13.5	5,400	1,400	10.0	14,000
Traill	---	---	---	100	12.0	1,200	100	15.0	1,500
Golden Valley	300	9.0	2,700	200	11.5	2,300	200	11.0	2,200
Hettinger	---	---	---	200	11.5	2,300	---	---	---
Stark	---	---	---	---	---	---	100	14.0	1,400
Burleigh	1,200	11.1	13,300	1,800	12.5	22,500	500	14.0	7,000
Emmons	1,500	10.7	16,100	2,400	9.5	22,700	1,000	12.0	12,000
Grant	700	9.0	6,300	400	8.5	3,400	700	8.7	6,100
Morton	1,900	14.9	28,300	2,300	9.5	21,900	2,000	10.5	21,000
Sioux	700	11.6	8,100	200	8.5	1,700	---	---	---
Dickey	200	14.5	2,900	200	8.5	1,700	---	---	---
LaMoure	200	12.5	2,500	500	9.4	4,700	200	15.0	3,000
Logan	200	9.0	1,800	100	10.0	1,000	---	---	---
Ransom	400	11.5	4,600	300	12.0	3,600	200	10.0	2,000
Sargent	---	---	---	---	---	---	100	10.0	1,000
STATE	16,400	12.2	200,000	17,400	12.0	208,000	13,700	12.8	175,000

IRRIGATION
CORN FOR GRAIN AND CORN FOR SILAGE
North Dakota, 1986-84

County	1986			1985			1984		
	Acres Harvested (Acres)	Yield per Harvested Acre (Bu.)	Production (Bu.)	Acres Harvested (Acres)	Yield per Harvested Acre (Bu.)	Production (Bu.)	Acres Harvested (Acres)	Yield per Harvested Acre (Bu.)	Production (Bu.)
CORN FOR GRAIN									
Ward	---	---	---	---	---	---	200	88.0	17,600
Williams	---	---	---	200	68.0	13,600	---	---	---
Benson	900	96.0	86,400	700	65.0	45,500	1,300	92.0	119,600
McHenry	1,500	100.0	150,000	1,700	85.6	145,600	1,400	91.0	127,400
Grand Forks	1,000	141.0	141,000	700	75.0	52,500	1,100	80.0	88,000
Nelson	---	---	---	100	70.0	7,000	---	---	---
Pembina	---	---	---	---	---	---	200	80.0	16,000
Ramsey	---	---	---	100	75.0	7,500	---	---	---
Towner	---	---	---	---	---	---	100	90.0	9,000
McKenzie	100	104.0	10,400	400	67.0	26,800	200	101.0	20,200
McLean	1,400	101.0	141,400	1,200	96.0	115,200	1,600	95.0	152,000
Mercer	---	---	---	---	---	---	200	80.5	16,100
Oliver	400	111.0	44,400	---	---	---	100	85.0	8,500
Eddy	400	101.0	40,400	200	65.0	13,000	700	104.0	72,800
Foster	700	105.0	73,500	700	64.5	45,150	1,800	80.0	144,000
Kidder	4,400	109.0	479,600	4,400	60.7	267,000	4,400	94.0	413,600
Stutsman	900	101.0	90,900	1,200	63.0	75,600	1,400	78.0	109,200
Wells	---	---	---	100	63.0	6,300	200	75.0	15,000
Barnes	900	112.0	100,800	1,700	83.0	141,000	1,500	81.0	121,500
Cass	5,700	138.0	786,600	7,500	82.0	615,000	7,200	115.0	828,000
Griggs	400	101.0	40,400	1,700	77.3	131,400	1,000	86.0	86,000
Steele	1,000	151.0	151,000	1,300	83.5	108,550	1,400	100.0	140,000
Traill	---	---	---	200	80.0	16,000	200	85.0	17,000
Golden Valley	---	---	---	200	70.0	14,000	300	85.0	25,500
Burleigh	2,300	110.0	253,000	800	80.0	64,000	500	93.0	46,500
Emmons	2,400	141.0	338,400	2,300	118.7	273,100	2,100	127.0	266,700
Grant	---	---	---	---	---	---	600	82.0	49,200
Morton	500	113.0	56,500	600	80.0	48,000	100	100.0	10,000
Sioux	---	---	---	100	75.0	7,500	---	---	---
Dickey	7,700	125.0	962,500	10,600	119.0	1,261,400	9,200	130.0	1,196,000
LaMoure	2,700	115.0	310,500	2,800	98.5	275,800	2,900	108.0	313,200
Logan	500	116.0	58,000	400	105.0	42,000	700	94.0	65,800
Ransom	14,000	133.0	1,862,000	12,200	121.0	1,476,200	13,100	115.0	1,506,500
Richland	1,100	121.0	133,100	1,300	129.0	167,700	1,200	102.0	122,400
Sargent	5,800	119.0	690,200	8,100	105.0	850,500	8,400	127.0	1,066,800
STATE	56,700	123.5	7,001,000	63,500	99.4	6,313,000	65,300	110.1	7,190,100
CORN FOR SILAGE									
	(Acres)	(Ton)	(Ton)	(Acres)	(Ton)	(Ton)	(Acres)	(Ton)	(Ton)
Divide	100	14.0	1,400	200	8.0	1,600	200	17.0	3,400
Ward	200	17.0	3,400	400	8.0	3,200	300	15.0	4,500
Williams	500	17.0	8,500	400	10.0	4,000	200	12.0	2,400
Benson	---	---	---	700	11.0	7,700	---	---	---
McHenry	---	---	---	---	---	---	400	10.0	4,000
Pierce	---	---	---	200	10.0	2,000	200	12.0	2,400
Rolette	200	15.0	3,000	200	10.0	2,000	200	15.0	3,000
Grand Forks	---	---	---	400	13.0	5,200	---	---	---
Nelson	300	14.0	4,200	100	13.0	1,300	100	15.0	1,500
Dunn	---	---	---	100	9.0	900	100	16.0	1,600
McKenzie	1,500	18.5	27,800	1,200	19.0	22,800	1,300	16.0	20,800
McLean	700	18.6	13,000	1,200	20.0	24,000	900	18.0	16,200
Mercer	1,000	19.0	19,000	1,200	12.0	14,400	1,300	16.5	21,450
Oliver	300	16.0	4,800	900	17.0	15,300	700	16.0	11,200
Eddy	200	14.0	2,800	700	11.0	7,700	200	10.0	2,000
Foster	1,000	15.0	15,000	800	9.0	7,200	---	---	---
Kidder	400	19.5	7,800	1,100	9.0	9,900	500	9.0	4,500
Sheridan	100	18.0	1,800	---	---	---	100	9.0	900
Stutsman	1,500	18.0	27,000	1,100	9.0	9,900	800	15.0	12,400
Wells	100	16.0	1,600	---	---	---	---	---	---
Barnes	---	---	---	---	---	---	200	8.0	1,600
Griggs	1,400	14.5	20,300	400	18.0	7,200	600	18.0	10,800
Traill	100	15.0	1,500	100	18.0	1,800	100	10.0	1,000
Adams	100	12.0	1,200	---	---	---	---	---	---
Golden Valley	400	13.0	5,200	200	10.0	2,000	---	---	---
Stark	---	---	---	100	9.0	900	100	12.0	1,200
Burleigh	---	---	---	2,300	10.5	24,150	700	16.0	11,200
Emmons	---	---	---	1,000	9.0	9,000	900	19.5	17,550
Grant	600	12.0	7,200	900	12.5	11,250	200	14.0	2,800
Morton	1,500	11.8	17,700	1,400	13.0	18,200	1,000	15.0	15,000
Sioux	300	12.0	3,600	400	10.0	4,000	400	14.0	5,600
Dickey	---	---	---	---	---	---	400	22.0	8,800
LaMoure	100	15.0	1,500	300	11.5	3,450	100	15.0	1,500
Logan	---	---	---	200	19.0	3,800	200	18.0	3,600
Ransom	300	14.0	4,200	600	13.5	8,100	500	13.0	6,500
Sargent	200	14.0	2,800	---	---	---	200	15.0	3,000
STATE	13,100	15.7	206,300	18,800	12.4	232,950	13,100	15.5	202,400

SUMMER FALLOW
North Dakota, 1984-89

District and County	Total Acres Summer Fallowed					
	1989	1988	1987	1986	1985	1984
	Acres					
Burke	140,000	150,000	170,000	170,000	170,000	170,000
Divide	180,000	230,000	250,000	220,000	230,000	230,000
Mountrail	170,000	210,000	250,000	235,000	240,000	210,000
Renville	115,000	150,000	140,000	140,000	150,000	150,000
Ward	195,000	250,000	260,000	250,000	260,000	240,000
Williams	330,000	350,000	400,000	375,000	400,000	340,000
Northwest	1,130,000	1,340,000	1,470,000	1,390,000	1,450,000	1,340,000
Benson	105,000	190,000	165,000	155,000	150,000	140,000
Bottineau	155,000	240,000	255,000	230,000	250,000	250,000
McHenry	75,000	140,000	140,000	150,000	140,000	130,000
Pierce	70,000	110,000	105,000	110,000	105,000	100,000
Rolette	55,000	100,000	95,000	115,000	95,000	80,000
North Central	460,000	780,000	760,000	760,000	740,000	700,000
Cavalier	110,000	200,000	200,000	195,000	180,000	200,000
Grand Forks	55,000	120,000	130,000	120,000	110,000	100,000
Nelson	65,000	100,000	115,000	120,000	110,000	105,000
Pembina	45,000	105,000	130,000	110,000	105,000	70,000
Ramsey	100,000	150,000	175,000	165,000	160,000	140,000
Towner	95,000	145,000	150,000	135,000	120,000	120,000
Walsh	50,000	120,000	140,000	125,000	125,000	125,000
Northeast	520,000	940,000	1,040,000	970,000	910,000	860,000
Dunn	90,000	95,000	120,000	110,000	105,000	90,000
McKenzie	160,000	165,000	195,000	195,000	180,000	150,000
McLean	190,000	230,000	255,000	235,000	240,000	240,000
Mercer	45,000	55,000	65,000	80,000	80,000	75,000
Oliver	25,000	35,000	45,000	40,000	45,000	35,000
West Central	510,000	580,000	680,000	660,000	650,000	590,000
Eddy	20,000	35,000	45,000	45,000	50,000	45,000
Foster	30,000	50,000	70,000	65,000	65,000	60,000
Kidder	20,000	40,000	65,000	65,000	55,000	40,000
Sheridan	50,000	90,000	85,000	95,000	90,000	80,000
Stutsman	120,000	175,000	215,000	205,000	190,000	205,000
Wells	100,000	160,000	150,000	135,000	140,000	140,000
Central	340,000	550,000	630,000	610,000	590,000	570,000
Barnes	65,000	150,000	170,000	145,000	130,000	120,000
Cass	60,000	140,000	175,000	135,000	125,000	80,000
Griggs	40,000	55,000	70,000	70,000	65,000	70,000
Steele	30,000	70,000	80,000	70,000	70,000	60,000
Traill	25,000	65,000	85,000	80,000	70,000	50,000
East Central	220,000	480,000	580,000	500,000	460,000	380,000
Adams	55,000	105,000	100,000	100,000	90,000	100,000
Billings	30,000	40,000	45,000	55,000	60,000	30,000
Bowman	55,000	75,000	110,000	110,000	110,000	110,000
Golden Valley	70,000	75,000	95,000	80,000	90,000	80,000
Hettinger	120,000	135,000	160,000	170,000	165,000	170,000
Slope	80,000	120,000	110,000	110,000	110,000	100,000
Stark	100,000	140,000	150,000	125,000	135,000	130,000
Southwest	510,000	690,000	770,000	750,000	760,000	720,000
Burleigh	45,000	80,000	105,000	95,000	90,000	90,000
Emmons	55,000	90,000	105,000	75,000	75,000	85,000
Grant	60,000	105,000	100,000	100,000	85,000	90,000
Morton	65,000	95,000	115,000	120,000	90,000	95,000
Sioux	25,000	20,000	25,000	30,000	20,000	30,000
South Central	250,000	390,000	450,000	420,000	360,000	390,000
Dickey	40,000	80,000	80,000	55,000	65,000	55,000
LaMoure	55,000	120,000	120,000	105,000	100,000	110,000
Logan	35,000	60,000	65,000	65,000	60,000	70,000
McIntosh	35,000	75,000	75,000	80,000	75,000	75,000
Ransom	30,000	70,000	75,000	75,000	60,000	60,000
Richland	35,000	80,000	130,000	95,000	70,000	40,000
Sargent	30,000	65,000	75,000	65,000	50,000	40,000
Southeast	260,000	550,000	620,000	540,000	480,000	450,000
STATE	4,200,000	6,300,000	7,000,000	6,600,000	6,400,000	6,000,000

5-YEAR AVERAGE
North Dakota, 1984-88

District and County	All Wheat				Spring Wheat			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	158,000	150,400	24.2	3,686,500	84,600	82,200	23.6	2,009,800
Divide	193,100	183,400	20.5	3,873,500	32,400	30,600	19.0	651,200
Mountrail	220,500	211,700	24.2	5,209,400	34,000	32,700	22.1	854,000
Renville	178,200	175,100	30.7	5,369,100	105,000	103,800	31.7	3,219,800
Ward	364,600	348,700	28.2	9,960,800	155,000	150,800	29.9	4,490,000
Williams	291,100	275,200	18.7	5,250,600	167,000	158,900	18.6	3,088,200
Northwest	1,405,500	1,344,400	24.6	33,349,800	578,000	559,000	25.0	14,313,000
Benson	222,500	203,200	25.8	5,415,500	56,200	51,300	25.7	1,383,200
Bottineau	316,000	299,500	28.8	8,599,200	89,200	87,700	29.4	2,606,400
McHenry	177,400	166,200	24.3	4,159,000	138,000	130,400	23.9	3,200,400
Pierce	151,500	138,400	22.7	3,277,500	79,200	71,000	21.9	1,652,600
Rolette	121,900	117,400	28.0	3,283,800	19,400	18,600	26.9	537,600
North Central	989,200	924,700	26.3	24,735,000	382,000	359,000	25.3	9,380,200
Cavalier	328,700	323,100	36.8	11,864,800	194,000	192,200	38.0	7,297,000
Grand Forks	229,800	226,100	41.8	9,409,300	210,000	208,400	42.1	8,690,600
Nelson	194,300	190,500	32.1	6,101,000	101,400	100,800	33.2	3,319,800
Pembina	231,700	226,600	42.3	9,685,300	227,000	222,100	42.3	9,513,400
Ramsey	256,300	249,400	30.2	7,506,800	97,200	95,200	31.5	3,026,800
Towner	229,500	221,800	29.1	6,450,100	19,400	19,000	32.4	612,600
Walsh	264,800	257,800	41.4	10,680,600	231,000	226,300	42.4	9,544,400
Northeast	1,735,000	1,695,200	36.4	61,698,000	1,080,000	1,064,000	39.5	42,004,600
Dunn	112,600	95,900	22.2	2,308,900	103,000	87,900	22.0	2,088,800
McKenzie	145,800	128,400	20.6	2,760,200	91,400	81,500	20.3	1,690,400
McLean	319,200	303,200	26.0	8,123,300	139,000	131,100	26.5	3,646,800
Mercer	80,400	73,100	26.4	2,045,700	67,600	61,300	26.2	1,686,800
Oliver	47,900	43,800	25.0	1,153,800	45,000	41,200	25.1	1,088,200
West Central	705,900	644,300	24.4	16,391,800	446,000	403,000	24.1	10,201,000
Eddy	81,200	77,300	25.6	2,012,700	60,000	57,400	25.4	1,471,600
Foster	122,000	115,700	29.6	3,436,700	99,600	96,200	29.8	2,825,800
Kidder	89,300	78,700	20.0	1,758,300	75,000	65,300	20.0	1,453,400
Sheridan	118,200	108,200	24.3	2,752,300	106,400	98,400	24.3	2,482,600
Stutsman	360,600	333,600	28.3	9,740,700	248,000	230,000	28.5	6,614,800
Wells	225,300	211,400	27.5	5,900,600	149,000	140,700	27.6	3,915,600
Central	996,700	924,800	26.8	25,601,300	738,000	688,000	26.8	18,763,800
Barnes	286,300	271,100	31.6	8,622,700	237,000	229,000	31.5	7,104,800
Cass	304,700	294,600	40.1	11,822,200	251,000	246,200	40.0	9,705,600
Griggs	114,800	110,500	31.2	3,433,100	96,000	94,400	31.0	2,892,000
Steele	134,700	130,800	36.9	4,835,100	120,000	118,200	37.1	4,355,200
Traill	146,800	144,900	42.4	6,143,000	132,000	131,200	42.8	5,590,200
East Central	987,400	951,900	36.6	34,856,000	836,000	819,000	36.6	29,647,800
Adams	117,200	101,900	23.3	2,541,400	92,600	81,400	22.8	1,990,600
Billings	36,000	28,500	18.4	559,500	31,200	25,200	18.0	492,800
Bowman	103,200	92,200	20.6	2,009,300	72,600	64,400	19.8	1,375,000
Golden Valley	76,800	63,300	19.6	1,340,200	49,000	41,700	18.1	837,000
Hettinger	216,500	200,900	26.5	5,547,300	177,000	166,000	26.0	4,463,400
Slope	92,200	86,100	23.9	2,101,100	71,600	67,300	23.4	1,596,800
Stark	163,000	145,400	23.6	3,621,800	140,000	128,000	23.4	3,164,400
Southwest	804,900	718,200	23.5	17,720,600	634,000	574,000	23.1	13,920,000
Burleigh	148,300	127,700	21.8	3,098,100	132,000	115,200	21.7	2,781,000
Emmons	179,900	151,700	20.9	3,595,100	171,000	144,000	20.8	3,401,200
Grant	110,700	95,900	22.7	2,324,500	101,000	88,700	22.5	2,123,200
Morton	134,700	115,400	24.2	2,995,800	126,000	108,600	24.2	2,824,000
Sioux	42,100	30,900	20.2	692,700	30,000	22,500	19.8	497,200
South Central	615,600	521,500	22.2	12,706,200	560,000	479,000	22.1	11,626,600
Dickey	154,800	137,800	25.8	3,658,900	104,000	95,000	24.7	2,382,600
LaMoure	192,300	173,000	27.5	4,900,500	143,000	131,000	27.4	3,639,800
Logan	106,000	92,200	23.8	2,371,100	92,200	80,300	23.8	2,053,000
McIntosh	133,700	111,000	20.3	2,522,100	115,000	94,900	20.2	2,125,800
Ransom	110,900	101,300	30.3	3,126,200	88,000	83,300	29.8	2,514,600
Richland	199,300	196,400	36.5	7,167,500	175,000	173,300	36.5	6,339,200
Sargent	130,700	118,200	29.4	3,650,000	68,800	63,200	28.5	1,810,000
Southeast	1,027,800	930,000	28.4	27,396,300	786,000	721,000	28.2	20,865,000
STATE	9,268,000	8,655,000	28.8	254,455,000	6,040,000	5,666,000	29.6	170,722,000

5-YEAR AVERAGE
North Dakota, 1984-88

District and County	Durum Wheat				Barley			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	68,000	65,500	25.2	1,615,200	49,200	45,500	34.6	1,627,600
Divide	156,000	148,800	20.8	3,128,200	57,600	50,400	28.4	1,474,600
Mountrail	182,000	175,600	24.5	4,260,200	59,000	55,200	34.0	1,986,000
Renville	70,000	68,800	29.2	2,053,000	82,200	80,300	41.1	3,386,800
Ward	202,000	192,600	27.0	5,297,200	104,000	100,000	41.2	4,343,600
Williams	112,000	106,700	19.2	1,973,000	73,000	65,800	26.9	1,854,400
Northwest	790,000	758,000	24.3	18,326,800	425,000	397,200	35.4	14,673,000
Benson	164,000	150,100	25.8	3,979,600	70,600	63,100	37.4	2,543,000
Bottineau	208,000	201,100	28.4	5,656,600	151,800	147,500	41.5	6,373,800
McHenry	33,400	31,000	25.5	832,400	56,800	52,700	39.0	2,233,200
Pierce	69,600	65,400	23.4	1,570,800	53,600	49,900	33.8	1,794,200
Rolette	101,000	97,800	28.1	2,709,800	55,200	53,400	42.4	2,299,800
North Central	576,000	545,400	26.9	14,749,200	388,000	366,600	[illegible]	15,244,000
Cavalier	132,000	128,500	34.9	4,475,000	192,000	183,300	52.6	9,730,600
Grand Forks	12,800	12,600	39.1	513,200	146,000	143,200	58.1	8,396,600
Nelson	90,000	87,700	30.8	2,713,800	73,600	72,500	50.8	3,729,800
Pembina	3,800	3,700	40.8	136,600	85,400	81,900	59.7	5,027,400
Ramsey	157,000	152,600	29.4	4,422,600	100,400	96,100	44.8	4,377,800
Towner	205,000	199,100	28.7	5,710,600	98,400	94,500	42.7	4,118,200
Walsh	31,400	30,000	34.0	1,072,200	95,800	92,000	56.2	5,351,600
Northeast	632,000	614,200	31.1	19,044,000	791,600	763,600	52.5	40,732,000
Dunn	4,800	4,300	24.5	111,600	26,900	21,700	33.2	817,200
McKenzie	44,600	40,500	21.5	940,000	32,500	25,000	30.1	818,800
McLean	169,800	163,300	25.6	4,190,600	62,200	59,400	38.2	2,457,800
Mercer	11,900	11,400	28.0	352,200	12,600	10,400	38.6	464,000
Oliver	900	800	24.9	17,600	13,400	11,700	36.9	480,800
West Central	232,000	220,400	25.0	5,612,000	147,600	128,200	35.8	5,038,600
Eddy	14,800	14,300	24.4	358,200	21,100	20,300	40.1	866,600
Foster	13,800	13,000	26.9	393,000	19,800	19,200	44.6	884,200
Kidder	12,700	11,900	19.7	270,400	19,000	16,100	34.7	645,200
Sheridan	6,900	6,600	23.7	181,800	27,700	24,700	38.1	1,036,600
Stutsman	91,800	86,300	27.4	2,554,400	95,000	86,900	44.6	4,170,400
Wells	66,000	62,800	27.3	1,742,200	64,000	59,800	39.6	2,484,600
Central	206,000	195,000	26.5	5,500,000	246,600	227,000	41.5	10,087,800
Barnes	20,900	20,100	29.8	665,000	144,800	136,700	50.6	7,068,200
Cass	30,300	29,200	40.6	1,201,200	167,400	162,500	58.2	9,708,800
Griggs	10,900	10,500	30.4	322,000	60,600	59,200	48.8	2,922,400
Steele	6,600	6,500	33.0	220,800	84,800	82,700	56.3	4,698,600
Traill	7,300	7,200	39.9	277,000	108,200	106,600	61.3	6,596,800
East Central	76,000	73,400	35.2	2,686,000	565,800	547,800	55.7	30,994,800
Adams	9,900	9,200	24.4	249,400	21,900	18,400	36.1	716,800
Billings	300	200	14.3	3,200	5,600	3,800	25.4	104,600
Bowman	19,700	18,200	23.2	426,600	26,000	21,500	30.8	729,400
Golden Valley	15,300	13,100	22.0	290,400	18,100	14,700	29.6	474,200
Hettinger	24,700	23,600	29.2	713,400	40,200	36,700	37.6	1,490,600
Slope	12,100	11,500	25.1	291,400	25,700	22,500	34.8	832,000
Stark	12,800	11,600	25.9	306,800	32,100	26,700	31.8	919,200
Southwest	94,800	87,600	25.4	2,281,200	169,600	144,200	33.8	5,266,800
Burleigh	11,000	8,700	23.3	218,000	23,000	19,500	34.9	802,000
Emmons	4,700	4,000	18.8	83,600	27,200	21,200	37.6	930,600
Grant	2,900	2,700	20.9	64,400	38,000	30,900	36.0	1,255,400
Morton	4,200	3,500	21.1	73,000	51,000	40,900	37.5	1,717,600
Sioux	6,500	5,300	19.3	104,400	7,000	5,700	33.5	208,400
South Central	29,200	24,200	21.2	543,400	146,200	118,200	36.6	4,914,000
Dickey	22,200	19,500	24.6	509,000	49,800	44,200	43.5	2,108,000
LaMoure	30,500	27,400	25.7	762,400	55,400	48,800	45.1	2,377,200
Logan	10,800	9,300	23.3	243,600	28,400	23,500	39.7	1,079,000
McIntosh	16,600	14,200	20.5	348,600	24,800	19,400	34.6	776,200
Ransom	6,600	5,800	29.9	169,000	41,000	37,800	46.7	1,870,600
Richland	17,100	16,800	37.2	567,600	51,200	49,200	53.5	2,762,600
Sargent	20,200	18,800	28.2	534,200	39,000	34,400	46.2	1,725,400
Southeast	124,000	111,800	27.0	3,134,400	289,600	257,200	45.6	12,699,000
STATE	2,760,000	2,630,000	27.1	71,877,000	3,170,000	2,950,000	45.6	139,650,000

5-YEAR AVERAGE
North Dakota, 1984-88

District and County	Oats				Sunflower			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)
Burke	15,300	11,600	45.1	507,200	18,900	16,500	930	14,050
Divide	13,800	9,200	36.4	314,400	11,700	8,700	750	5,019
Mountrail	25,200	16,300	43.0	672,600	32,200	29,500	870	24,391
Renville	20,200	16,400	53.6	888,800	18,800	17,700	1,040	16,463
Ward	42,200	34,600	49.7	1,771,600	72,000	64,800	1,150	72,224
Williams	20,300	11,300	34.8	390,600	10,100	9,000	780	6,017
Northwest	137,000	99,400	46.3	4,545,200	163,700	146,100	1,010	138,164
Benson	15,800	11,300	40.9	498,800	71,300	68,100	1,080	71,858
Bottineau	20,800	17,500	50.2	842,000	43,600	39,600	1,020	35,926
McHenry	39,100	30,700	42.2	1,383,800	67,700	64,800	1,130	70,392
Pierce	17,800	13,500	38.1	555,000	48,900	46,700	1,110	49,737
Rolette	6,500	4,900	44.2	209,200	24,500	23,200	1,030	22,347
North Central	100,000	77,800	43.5	3,488,800	256,000	242,400	1,080	250,260
Cavalier	4,500	3,600	60.9	202,800	29,300	27,400	1,150	30,992
Grand Forks	6,400	5,400	59.2	323,800	48,000	46,900	1,260	55,812
Nelson	9,700	8,200	51.6	420,400	62,400	60,600	1,290	75,647
Pembina	3,700	3,100	55.0	179,800	9,900	9,500	1,180	11,102
Ramsey	4,600	3,900	59.0	207,600	67,500	64,000	1,140	71,491
Towner	3,800	2,600	47.8	107,200	31,900	29,900	1,100	32,048
Walsh	6,300	4,700	59.1	263,400	33,800	33,100	1,180	38,500
Northeast	39,000	31,500	56.0	1,705,000	282,800	271,400	1,200	315,592
Dunn	46,000	20,600	42.3	985,200	6,900	6,100	1,040	6,519
McKenzie	25,200	9,000	38.8	399,200	1,800	1,500	890	1,046
McLean	51,000	38,100	46.1	1,763,800	93,500	90,400	1,210	105,862
Mercer	36,400	20,100	47.5	1,055,800	7,800	7,200	1,080	7,675
Oliver	21,400	14,000	44.0	694,400	7,700	7,500	1,070	7,802
West Central	180,000	101,800	44.8	4,898,400	117,700	112,700	1,180	128,904
Eddy	14,600	12,200	44.6	550,000	42,100	41,200	1,090	43,010
Foster	11,600	8,700	50.3	418,000	75,700	73,800	1,200	88,110
Kidder	30,500	19,400	38.7	858,800	10,100	9,900	990	9,464
Sheridan	18,500	12,700	40.7	559,800	49,100	47,500	1,050	49,480
Stutsman	33,200	23,600	50.5	1,270,000	142,400	139,900	1,170	160,030
Wells	16,600	11,400	46.5	530,800	113,700	110,800	1,110	120,002
Central	125,000	88,000	45.2	4,187,400	433,100	423,100	1,130	470,096
Barnes	13,300	9,400	53.2	537,000	104,900	102,900	1,310	132,378
Cass	7,100	6,000	64.4	400,200	50,000	49,300	1,330	67,858
Griggs	9,400	7,400	46.5	358,400	36,600	36,100	1,330	47,018
Steele	2,900	2,500	57.2	149,000	25,900	25,500	1,430	35,718
Traill	2,300	1,800	59.6	118,200	7,300	6,900	1,460	10,192
East Central	35,000	27,100	54.7	1,562,800	224,800	220,800	1,340	293,164
Adams	21,100	13,300	39.0	598,800	14,800	14,300	1,000	13,850
Billings	14,600	5,900	35.3	260,400	900	800	880	675
Bowman	17,900	8,000	37.4	341,200	5,700	5,600	950	4,944
Golden Valley	12,700	6,700	33.2	242,200	1,100	1,100	1,040	940
Hettinger	26,800	18,400	42.8	835,000	40,300	39,300	1,090	44,356
Slope	11,400	6,300	37.8	255,200	6,300	6,100	1,160	6,736
Stark	47,500	28,400	41.8	1,339,800	13,800	13,400	930	12,035
Southwest	152,000	87,000	40.1	3,872,600	82,800	80,600	1,040	83,536
Burleigh	40,900	24,600	40.4	1,166,200	22,500	20,500	940	18,982
Emmons	53,400	28,300	40.9	1,415,200	9,200	8,500	1,030	8,407
Grant	39,100	22,500	44.7	1,126,200	21,200	20,600	1,080	21,655
Morton	52,100	29,900	44.7	1,546,800	17,900	17,500	1,010	17,476
Sioux	14,500	6,500	39.2	300,800	2,200	2,000	950	1,940
South Central	200,000	111,800	42.8	5,555,200	73,000	69,100	1,020	68,460
Dickey	19,600	14,300	45.2	753,800	43,200	42,900	1,200	48,962
LaMoure	23,500	17,100	51.7	979,200	79,100	77,900	1,250	94,633
Logan	19,700	12,000	46.8	635,600	10,600	10,500	930	9,180
McIntosh	33,600	22,600	40.8	1,096,600	16,400	15,400	990	14,932
Ransom	14,600	11,600	54.3	698,800	37,900	36,600	1,340	49,101
Richland	14,600	12,500	60.5	831,000	20,300	20,100	1,300	26,695
Sargent	11,400	9,500	48.6	509,600	38,500	38,200	1,310	50,179
Southeast	137,000	99,600	48.9	5,504,600	246,100	241,500	1,240	293,682
STATE	1,105,000	724,000	45.8	35,320,000	1,880,000	1,807,800	1,170	2,041,858

FARM MARKETINGS
ESTIMATED PERCENT OF CROP YEAR TOTAL SOLD IN OPEN MARKET BY MONTHS
North Dakota, 1984-88

Year	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
						----------Percent----------						
ALL WHEAT												
1984	5	22	11	9	10	5	5	7	6	6	6	8
1985	5	8	12	11	8	9	9	5	8	8	7	10
1986	9	8	12	11	6	10	6	8	6	6	7	11
1987	9	12	9	8	8	9	5	5	7	5	11	12
1988	10	10	7	6	7	9	8	5	10	9	8	11
BARLEY												
1984	8	28	8	6	6	5	6	5	6	6	6	10
1985	8	16	9	6	5	7	9	6	6	6	8	14
1986	6	16	12	7	7	8	6	11	8	6	5	8
1987	8	8	5	5	7	9	7	8	12	6	7	18
1988	19	11	7	8	9	7	5	5	8	7	5	9
OATS												
1984	9	22	12	7	8	9	6	5	6	6	4	6
1985	9	13	11	8	5	7	16	6	7	5	4	7
1986	6	10	8	5	7	10	12	9	4	6	11	12
1987	6	16	15	8	13	10	7	5	7	3	5	5
1988	15	20	15	7	7	6	3	4	3	6	7	7
FLAXSEED												
1984	2	14	25	12	10	5	13	4	4	3	6	2
1985	1	1	9	35	11	3	6	5	7	6	2	14
1986	2	1	9	45	14	9	3	2	2	2	2	9
1987	8	6	27	24	4	4	5	5	7	6	2	2
1988	13	14	24	21	7	4	4	3	2	3	2	3
RYE												
1984	10	18	4	3	1	6	10	10	13	1	15	9
1985	14	7	20	3	2	5	16	1	9	5	12	6
1986	7	8	15	6	1	4	9	7	6	10	19	8
1987	8	7	4	4	3	2	7	4	6	20	10	25
1988	46	9	6	4	3	3	2	9	8	6	2	2

Year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
POTATOES												
1984	--	8	11	11	11	12	12	16	12	6	1	–
1985	--	8	8	12	12	12	12	13	15	7	1	–
1986	--	11	10	9	10	11	13	14	15	6	1	–
1987	–	10	11	12	14	11	10	12	14	6	–	–
1988	–	11	12	16	12	12	10	12	10	5	–	–

Year	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
SUNFLOWER												
1984	--	14	39	9	6	3	5	8	6	7	2	1
1985	--	4	14	12	15	7	6	9	10	13	8	2
1986	3	13	18	12	6	6	6	6	8	11	9	2
1987	5	21	11	11	8	8	11	5	5	4	3	6
1988	4	38	9	8	6	7	9	5	2	6	5	1
SOYBEANS												
1984	4	23	11	7	14	5	6	5	7	6	9	3
1985	5	14	18	20	6	6	7	4	6	3	6	5
1986	1	13	12	8	15	11	8	5	5	9	10	3
1987	21	29	16	9	7	5	3	2	4	2	1	1
1988	20	18	5	7	5	2	4	7	8	13	8	3
DRY BEANS												
1984	32	9	9	11	10	4	6	7	3	6	2	1
1985	14	19	10	9	16	3	5	9	4	5	4	2
1986	20	29	9	8	7	5	5	2	5	3	2	5
1987	14	12	8	10	15	10	9	7	5	5	2	3
1988	21	20	9	5	4	7	5	3	5	9	5	7

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
CORN												
1984	18	19	8	4	5	9	7	3	6	17	2	2
1985	9	34	21	12	7	2	3	3	3	3	1	2
1986	11	7	4	6	14	11	7	13	6	7	4	10
1987	16	10	12	14	8	6	3	5	9	8	4	5
1988	11	4	7	9	3	8	11	7	19	9	4	8

Year	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
ALL HAY												
1984	1	3	2	9	10	19	12	14	11	9	6	4
1985	3	15	7	8	10	16	9	9	7	9	6	1
1986	4	14	8	9	11	16	9	8	6	9	4	2
1987	4	5	4	12	16	12	4	8	5	8	10	12
1988	7	10	7	13	15	8	5	5	4	7	9	10

LIVESTOCK

Sheep Judging, 1925

NORTH DAKOTA LIVESTOCK

CATTLE

All cattle and calves totaled 1.75 million head on January 1, 1990, up 9 percent from January 1989 and 3 percent less than the 1988 total. This is the first yearly advance since the inventory reached 2.1 million head in 1984. Heifers for beef cow and milk cow replacement increased 4 and 19 percent respectively. Beef cow numbers advanced 10 percent while the number of dairy cows was unchanged. The 1989 calf crop of 1,000,000 head was up 5 percent from last year. There were 16,300 cattle operations during 1989, 300 more than 1988.

HOGS

The December 1, 1989 hog and pig inventory totaled 280,000, down 18 percent from 1988. Hog inventories over the past 10 years have fluctuated from a high of 370,000 in 1979 to a low of 210,000 in 1982. Breeding hogs and market hogs declined 14 and 18 percent respectively. Number of farms with hogs in 1989 was 2,600, unchanged from 1988.

SHEEP

A total of 186,000 sheep and lambs were on farms January 1, 1990, up 13 percent from the previous year. Stock sheep and lamb numbers advanced 6 percent to 152,000 head. Wool production during 1989 rose 4 percent from 1988. The number of sheep shorn advanced 9 percent but the average weight per fleece, at 9.1 pounds, was down from 9.6 pounds in 1988. The value of wool production increased 6 percent to total $1.8 million.

DAIRY & POULTRY

Milk production for 1989 was 1,030 million pounds, down 3 percent from 1988. Average milk per cow was 11,977 pounds, up 4 percent from 111,543 in 1988. An average 86,000 cows were on farms during 1989, down 6,000 head from the 1988 average.

Farm value of milk produced in 1989 was $125.7 million, up from 115.8 million in 1988. The average price was $12.20 per hundredweight, up $1.30 from 1988.

Chicken inventory on December 1, 1989 totaled 240,000, down 6 percent from the previous year. The number of laying age was down 10 percent from December 1, 1988. Egg production declined to 47 million, down from 59 million eggs in 1989.

LIVESTOCK INVENTORY
North Dakota, January 1, 1981-90

Year	All Cattle	All Hogs 1/	All Sheep	All Chickens 1/
	- - - Thousand Head - - -			
1981	1,850	265	272	460
1982	2,000	280	280	500
1983	2,050	210	222	510
1984	2,100	260	219	625
1985	2,050	255	215	635
1986	2,000	285	180	540
1987	1,900	275	185	290
1988	1,800	325	169	315
1989	1,600	340	164	255
1990	1,750	280	186	240

1/ Relates to December 1 pervious year.

NUMBER OF FARMS
North Dakota, 1980-89

Year	All Cattle	Beef Cows	Milk Cows	Hogs	All Sheep	All Farms
	- - - Thousand - - -					
1980	21.0		4.2	4.0	2.1	40.0
1981	20.0		4.2	3.6	2.1	38.5
1982	19.2		4.0	2.8	2.2	37.0
1983	19.0		3.9	2.8	2.0	36.5
1984	18.5		3.7	3.0	2.1	35.5
1985	17.8		3.4	3.0	2.0	34.0
1986	17.2	15.0	3.0	3.0	1.8	33.5
1987	16.4	13.9	2.7	2.6	1.9	33.5
1988	16.0	13.7	2.5	2.6	1.8	33.5
1989	16.3	13.9	2.5	2.6	1.9	33.5

LIVESTOCK VALUES
North Dakota, January 1, 1986-90

Year	Value Per Head				Total Value			
	Cattle	Hogs 1/	Sheep	Chickens 1/	Cattle	Hogs 1/	Sheep	Chickens 1/
	- - - Dollars - - -				- - - Thousand Dollars - - -			
1986	395	68.50	66.00	2.00	790,000	19,523	11,880	1,080
1987	420	88.50	79.50	2.10	798,000	24,338	14,708	609
1988	595	78.00	94.50	2.20	1,071,000	25,350	15,971	693
1989	650	66.50	89.50	2.20	1,040,000	22,610	14,678	561
1990	670	79.50	83.50	2.10	1,172,500	22,260	15,531	504

1/ Relates to December 1 previous year

COMMERCIAL LIVESTOCK SLAUGHTER
North Dakota, 1985-89

Year	CATTLE			HOGS			ALL SPECIES		
	Number	Average Liveweight Per Head	Total Liveweight	Number	Average Liveweight Per Head	Total Liveweight	Number	Total Liveweight	Red Meat Production
	(000 Head)	(Lbs.)	(000 Lbs.)	(000 Head)	(Lbs.)	(000 Lbs.)	(000 Head)	(000 Lbs.)	(000 Lbs)
1985	161.4	1,088	175,479	85.0	215	18,303	247.6	194,004	104,268
1986	146.7	1,089	159,812	81.0	218	17,626	228.9	177,676	94,731
1987	81.6	1,107	90,296	71.7	219	15,696	154.4	106,190	58,193
1988	162.0	1,167	189,113	81.0	215	17,443	244.2	206,781	107,725
1989	193.5	1,228	237,560	77.8	212	16,479	272.5	254,180	130,665

CATTLE

INVENTORY NUMBERS
North Dakota, January 1, 1985-90

Class	January 1 1985	1986	1987	1988	1989	1990
	- - - Thousand Head - - -					
ALL CATTLE	2,050	2,000	1,900	1,800	1,600	1,750
Cows & Heifers that have calved	1,061	1,060	1,000	970	920	1,000
Beef	964	958	908	874	832	912
Milk	97	102	92	96	88	88
Heifers over 500 lbs.	297	310	302	313	248	304
Beef Replacement	148	134	139	143	130	135
Milk Replacement	29	36	33	26	21	25
Other	120	140	130	144	97	144
Steers over 500 lbs.	195	210	195	216	157	200
Bulls over 500 lbs.	49	50	46	46	45	46
Steers, Heifers & Bulls under 500 lbs.	448	370	357	255	230	200

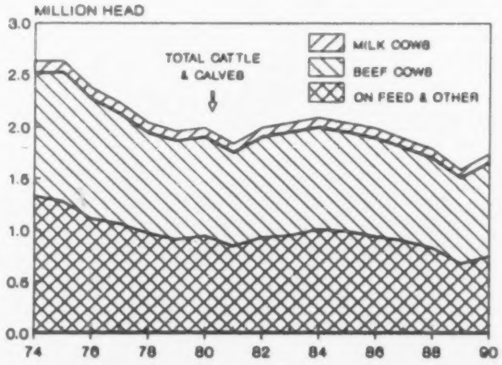
PRODUCTION, DISPOSITION & INCOME
North Dakota, 1984-89

Item	Unit	1984	1985	1986	1987	1988	1989
Number on Hand Beginning of Year	000 Head	2,100	2,050	2,000	1,900	1,800	1,600
Calves Born	000 Head	1,050	1,040	1,000	960	950	1,000
Inshipments	000 Head	80	85	30	65	90	105
Marketings:							
Cattle	000 Head	748	702	709	647	657	351
Calves	000 Head	335	380	360	400	515	530
Total	000 Head	1,083	1,082	1,069	1,047	1,172	881
Farm Slaughter	000 Head	6	8	6	5	5	4
Deaths:							
Cattle	000 Head	21	20	20	18	18	19
Calves	000 Head	70	65	65	55	45	51
Total	000 Head	91	85	85	73	63	70
Number on Hand End of Year	000 Head	2,050	2,000	1,900	1,800	1,600	1,750
Production	000 Lbs.	836,260	832,820	752,450	748,790	631,290	670,590
Marketings	000 Lbs.	891,130	873,030	866,480	814,350	856,540	561,060
Price/100 Lbs.:							
Cattle	Dollars	52.70	53.30	51.30	64.10	71.00	71.70
Calves	Dollars	62.30	64.10	63.50	81.60	91.90	91.00
All Classes	Dollars	53.90	54.90	53.00	67.00	76.00	79.00
Cash Receipts	000 Dols.	480,520	479,230	459,389	545,729	651,113	443,119
Value of Home Consumption	000 Dols.	7,156	7,874	6,713	7,775	7,906	6,521
Gross Income	000 Dols.	487,676	487,112	466,102	553,504	659,019	449,640

HISTORIC INVENTORY NUMBERS
North Dakota, January 1, 1981-90

Year	Cows That Have Calved		On Feed	Other	Total Cattle & Calves
	Beef	Dairy			
	- - - Thousand Head - - -				
1981	910	93	37	810	1,850
1982	978	92	36	894	2,000
1983	1,005	95	39	911	2,050
1984	993	99	35	973	2,100
1985	964	97	38	951	2,050
1986	958	102	42	898	2,000
1987	908	92	38	862	1,900
1988	874	96	45	785	1,800
1989	832	88	40	640	1,600
1990	912	88	40	710	1,750

CATTLE & CALVES ON FARMS
NORTH DAKOTA, JANUARY 1, 1974 - 90



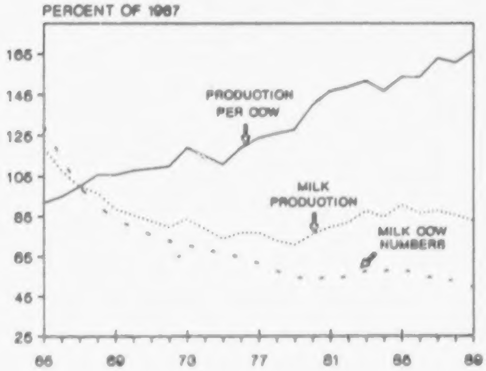
DAIRY

MILK PRODUCTION
North Dakota 1984-89

Item	Year	Jan-Mar	Apr-June	July-Sept	Oct-Dec	Annual
		Thousand Head				
Milk Cows 1/	1984	99	101	101	99	100
	1985	97	103	102	102	101
	1986	102	99	94	92	97
	1987	91	93	92	94	93
	1988	94	91	91	90	92
	1989	87	86	84	85	86
		Pounds				
Production Per Cow	1984	2,670	2,990	2,550	2,330	10,550
	1985	2,620	3,100	2,810	2,550	11,089
	1986	2,720	3,070	2,760	2,540	11,072
	1987	2,800	3,230	3,020	2,700	11,688
	1988	2,900	3,100	2,870	2,730	11,543
	1989	2,930	3,190	3,050	2,880	11,977
		Million Pounds				
Total Milk Produced	1984	264	302	258	231	1,055
	1985	254	319	287	260	1,120
	1986	277	304	259	234	1,074
	1987	255	300	278	254	1,087
	1988	273	282	261	246	1,062
	1989	255	274	256	245	1,030

1/ Average number on farms during quarter or year.

MILK PRODUCTION INDEXES
NORTH DAKOTA, 1965 - 89 (1967 = 100)



MILK
BUTTER

MILK: Production, Disposition & Income
North Dakota, 1984-89

Item	Unit	1984	1985	1986	1987	1988	1989
Average Number of Milk Cows on Farms	000 Head	100	101	97	93	92	86
Production of Milk and Milkfat							
a) Per cow, milk	Pounds	10,550	11,089	11,072	11,688	11,543	11,977
b) Per cow, milkfat	Pounds	382	400	402	417	421	440
c) Percent of fat in Milk	Percent	3.62	3.61	3.63	3.57	3.65	3.67
d) Total							
1. Milk	Mil. Lbs.	1,055	1,120	1,074	1,087	1,062	1,030
2. Milkfat	Mil. Lbs.	38.2	40.4	39.0	38.8	38.8	37.8
Milk Used on Farms Where Produced							
a) Fed to calves	Mil. Lbs.	31	35	35	32	36	26
b) Used for milk, cream & butter	Mil. Lbs.	9	8	6	5	5	4
c) Total	Mil. Lbs.	40	43	41	37	41	30
Milk Marketed by Farmers							
Sold to plants and dealers 1/	Mil. Lbs.	1,015	1,077	1,033	1,050	1,021	1,000
Percent fluid grade	Percent	47	48	50	49	51	56
Combined Marketing of Milk and Cream							
a) Milk utilized	Mil. Lbs.	1,015	1,077	1,033	1,050	1,021	1,000
b) Average returns							
1. Per 100 lbs. of milk	Dollars	12.30	11.40	11.30	11.10	10.90	12.20
2. Per lb. of milkfat	Dollars	3.40	3.16	3.11	3.11	2.99	3.32
c) Cash Receipts from marketing	000 Dols.	124,845	122,778	116,729	116,550	111,289	122,000
Used for Milk, Cream and Butter on Farms Where Produced							
a) Milk utilized	Mil. Lbs.	9	8	6	5	5	4
b) Value	000 Dols.	1,107	912	678	555	545	488
Gross Producer Income 2/	000 Dols.	125,952	123,690	117,407	117,105	111,834	122,488
Farm Value of Milk Produced	000 Dols.	129,765	127,680	121,362	120,657	111,758	125,660

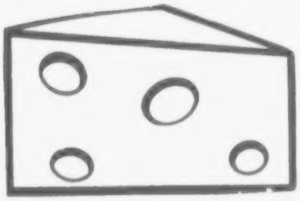
1/ Includes the equivalent amounts of milk for cream sold to plants and dealers and milk produced by dealer's own herds. 2/ Cash receipts plus value of milk used for home consumption.

June 1990

DAIRY

MANUFACTURED DAIRY PRODUCTS PRODUCTION
North Dakota, 1984-89

Item	1984	1985	1986	1987	1988	1989
	- - - Thousand Pounds - - -					
Butter	4,893	5,479	6,086	5,200	4,997	6,416
American Cheese	52,418	53,991	48,493	44,948	41,754	40,017
Cottage Cheese						
Creamed	2,627	2,459	2,140	2,011	1,855	1,441
Lowfat	3,482	3,705	3,664	3,716	3,931	3,788
Curd	3,532	3,587	3,378	3,389	3,405	3,081
Non-Fat Dry Milk						
Human Food	5,502	7,664	7,736	3,958	2,376	4,576
Dry Buttermilk	224	295	343	173	144	322
Ice Cream	2,233	2,225	2,074	2,048	2,018	1,973
Ice Milk	964	928	918	995	879	1,506
Milk Sherbert	183	214	196	194	197	52
Ice Cream Mix	859	820	875	894	835	786
Ice Milk Mix	747	735	602	621	634	944
Milk Sherbet Mix	112	148	133	125	80	61



AMERICAN CHEESE AND BUTTER PRODUCTION
North Dakota, 1984-89

Item	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Total
		- - - - - - - - - - Thousand Pounds - - - - - - - - - -												
American Cheese	1984	4,254	3,932	4,506	4,764	5,220	5,227	5,101	4,160	3,650	3,673	3,796	4,135	52,418
	1985	3,993	3,535	4,214	4,668	5,530	5,907	5,497	4,926	4,203	3,871	3,701	3,946	53,991
	1986	4,002	3,697	4,374	4,592	5,429	5,662	3,906	3,945	3,272	3,159	3,081	3,374	48,493
	1987	3,449	3,172	3,905	3,894	4,553	4,451	4,207	3,776	3,352	3,309	3,276	3,604	44,948
	1988	3,396	3,357	3,732	3,919	4,228	3,926	3,598	3,311	2,972	3,019	2,949	3,347	41,754
	1989	3,119	2,911	3,450	3,423	3,821	4,064	3,584	3,191	3,111	3,039	2,979	3,325	40,017
Butter	1984	453	346	361	400	523	426	424	374	304	381	420	481	4,893
	1985	505	416	535	571	569	502	482	295	350	401	375	478	5,479
	1986	507	731	833	829	699	535	282	247	339	411	300	373	6,086
	1987	477	411	479	428	457	428	344	264	401	491	456	564	5,200
	1988	453	556	622	578	434	358	335	293	380	361	269	358	4,997
	1989	659	644	807	634	611	500	320	384	400	524	469	464	6,416

Source: N.D. State Dairy Commissioner and N.D. Agricultural Statistics Service cooperating.

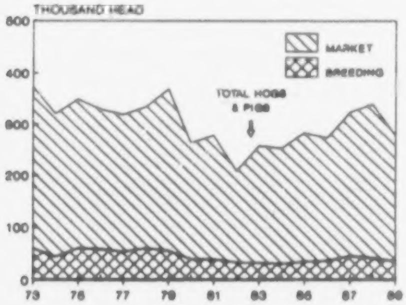
HOGS & PIGS

INVENTORY NUMBERS AND PIG CROP

North Dakota, December 1, 1984-89

Class	1984	1985	1986	1987	1988	1989
	- - - Head - - -					
ALL HOGS & PIGS	255,000	285,000	275,000	325,000	340,000	280,000
Kept for Breeding	31,000	35,000	37,000	46,000	42,000	36,000
Market	224,000	250,000	238,000	279,000	298,000	244,000
Market Hogs & Pigs	85,000	86,000	86,000	108,000	107,000	95,000
Under 60 Lbs.	68,000	71,000	63,000	66,000	75,000	58,000
60-119 Lbs.	40,000	53,000	47,000	57,000	62,000	51,000
120-179 Lbs.	31,000	40,000	42,000	48,000	54,000	40,000
180 Lbs. & Over						
SOWS FARROWING						
December 1/ - February	11,000	15,000	17,000	15,000	17,000	12,000
March - May	16,000	15,000	16,000	20,000	19,000	17,000
December 1/ - May	27,000	30,000	33,000	35,000	36,000	29,000
June - August	15,000	18,000	17,000	21,000	23,000	14,000
September - November	11,000	11,000	13,000	16,000	16,000	14,000
June - November	26,000	29,000	30,000	37,000	39,000	28,000
PIG CROP						
December 1/- February	---	---	---	---	129,000	92,000
March - May	---	---	---	---	144,000	129,000
December 1/ - May	216,000	234,000	261,000	277,000	273,000	221,000
June - August	---	---	---	---	170,000	108,000
September - November	---	---	---	---	122,000	108,000
June - November	198,000	223,000	231,000	292,000	292,000	216,000
	- - - Number - - -					
PIGS PER LITTER						
December 1/ - February	---	---	---	---	7.6	7.7
March - May	---	---	---	---	7.6	7.6
December 1/ - May	8.0	7.8	7.9	7.9	7.6	7.6
June - August	---	---	---	---	7.4	7.7
September - November	---	---	---	---	7.6	7.7
June- November	7.6	7.7	7.7	7.9	7.5	7.7

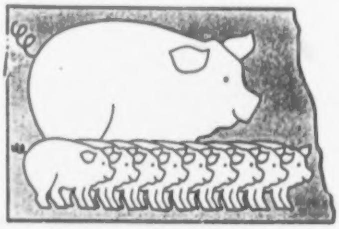
1/ December preceding year.


HOGS AND PIGS ON FARMS
NORTH DAKOTA, DECEMBER 1, 1973 - 89

HISTORIC INVENTORY

North Dakota, December 1, 1979-89

Year	Breeding	Market	Total
	- - - Head - - -		
1980	40,000	225,000	265,000
1981	40,000	240,000	280,000
1982	34,000	176,000	210,000
1983	33,000	227,000	260,000
1984	31,000	224,000	255,000
1985	35,000	250,000	285,000
1986	37,000	238,000	275,000
1987	46,000	279,000	325,000
1988	42,000	298,000	340,000
1989	36,000	244,000	280,000



PRODUCTION, DISPOSITION & INCOME

North Dakota, 1984-89

Item	Unit	1984	1985	1986	1987	1988	1989
Number on Hand Beginning of Yr. 1/	000 Head	260	255	285	275	325	340
Pig Crop	000 Head	414	457	492	569	565	437
Inshipments	000 Head	15	19	15	26	24	20
Marketings	000 Head	402	421	494	520	538	473
Farm Slaughter	000 Head	7	5	4	4	5	4
Deaths	000 Head	25	20	19	21	31	40
Number on Hand End of Year	000 Head	255	285	275	325	340	280
Production	000 Lbs.	76,925	87,015	98,372	111,372	108,679	83,562
Marketings	000 Lbs.	77,645	80,790	98,007	104,820	106,265	91,340
Price/100 Lbs.	Dollars	44.00	41.70	47.60	49.00	39.40	39.00
Cash Receipts	000 Dols.	34,887	34,475	47,604	52,622	43,000	36,397
Value of Home Consumption	000 Dols.	1,417	897	830	960	847	655
Gross Income	000 Dols.	36,304	35,372	48,434	53,582	43,847	37,052

1/ December 1 preceding year

SHEEP

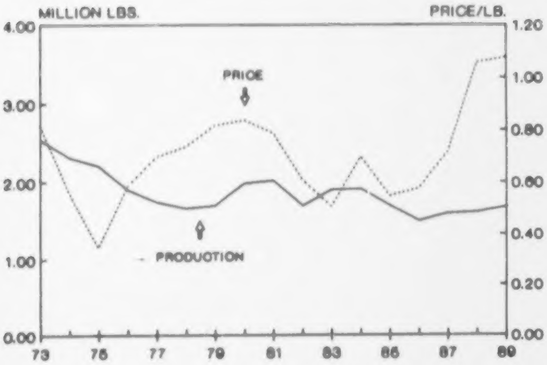
INVENTORY NUMBERS
North Dakota, January 1, 1985-90

Class	1985	1986	1987	1988	1989	1990
	- - - Thousand Head - - -					
ALL SHEEP & LAMBS	215	180	185	169	164	186
On Feed	50	40	25	27	21	34
Stock Sheep	165	140	160	142	143	152
Lambs						
Ewes	15	13	29	20	22	23
Wether and Rams	5	3	7	3	5	4
1 Year Old and Older						
Ewes	140	120	120	114	111	120
Wethers and Rams	5	4	4	5	5	5

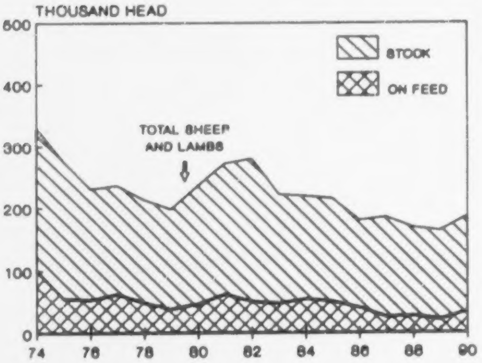
HISTORIC INVENTORY
North Dakota, January 1, 1981-90

Year	On Feed	Stock Sheep	Total
	- - - Head - - -		
1981	62,000	210,000	272,000
1982	50,000	230,000	280,000
1983	47,000	175,000	222,000
1984	54,000	165,000	219,000
1985	50,000	165,000	215,000
1986	40,000	140,000	180,000
1987	25,000	160,000	185,000
1988	27,000	142,000	169,000
1989	21,000	143,000	164,000
1990	34,000	152,000	186,000

WOOL PRODUCTION AND PRICE
NORTH DAKOTA, 1973 - 89



SHEEP AND LAMBS ON FARMS
NORTH DAKOTA, JANUARY 1, 1974 - 90



PRODUCTION, DISPOSITION & INCOME
North Dakota, 1984-89

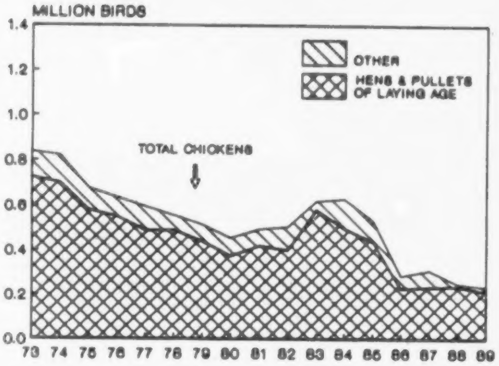
Item	Unit	1984	1985	1986	1987	1988	1989
		SHEEP & LAMBS					
Number on Hand Beginning of Yr.	000 Head	219	215	180	185	169	164
Lambs Saved	000 Head	180	160	165	150	141	156
Inshipments	000 Head	16.5	18	15	22	15	17
Marketings:							
Sheep	000 Head	9.5	38	15	37	25	17
Lambs	000 Head	151	146	134	125	114	109
Total	000 Head	160.5	184	149	162	139	126
Farm Slaughter	000 Head	1	1	1	1	1	1
Deaths:							
Sheep	000 Head	17	10	7	10	7	7
Lambs	000 Head	22	18	18	15	14	17
Total	000 Head	39	28	25	25	21	24
Number on Hand End of Year	000 Head	215	180	185	169	164	186
Production	000 Lbs.	14,281	14,284	15,475	13,748	12,717	14,038
Marketings	000 Lbs.	15,438	19,975	15,840	16,960	14,235	12,640
Price/100 Lbs.:							
Sheep	Dollars	12.60	18.80	21.80	24.80	21.30	21.40
Lambs	Dollars	57.80	65.30	67.80	78.20	67.80	65.30
All Classes	Dollars	54.30	54.20	62.40	61.90	56.40	57.00
Cash Receipts	000 Dols.	8,386	10,835	9,877	10,497	8,024	7,209
Value of Home Consumption	000 Dols.	121	144	149	172	149	144
Gross Income	000 Dols.	8,507	10,979	10,026	10,669	8,173	7,353
		WOOL					
Sheep Shorn	000 Head	200	185	157	169	169	185
Production	000 Lbs.	1,919	1,704	1,509	1,605	1,620	1,690
Fleece Weight	Pounds	9.6	9.2	9.6	9.5	9.6	9.1
Price/Lb.	Dollars	.70	.55	.58	.72	1.06	1.08
Value of Production	000 Dols.	1,343	937	875	1,156	1,717	1,825

POULTRY & HONEY

CHICKEN INVENTORY
North Dakota, December 1, 1984-89

Class	1984	1985	1986	1987	1988	1989
	- - - Thousand Head - - -					
ALL CHICKENS	635	540	290	315	255	240
Laying Age	500	440	230	235	240	215
Hens	215	275	128	95	132	60
Pullets	285	165	102	140	108	155
Other	135	100	60	80	15	25

CHICKEN INVENTORY
NORTH DAKOTA, DECEMBER 1, 1973 - 89



POULTRY: Production, Disposition & Income
North Dakota, 1984-89

Item	Unit	1984	1985	1986	1987	1988	1989
CHICKENS							
Lost	000 Birds	170	150	80	120	120	120
Sold, Birds	000 Birds	440	400	400	250	200	220
Pounds	000 Lbs.	1,848	1,600	1,600	1,000	800	880
Price per Pound	Cents	8.0	10.0	9.0	6.0	8.0	12.5
Gross Income	000 Dols.	148	160	144	60	64	110
EGGS							
Number of Layers During the year	000 Birds	504	479	256	246	246	207
Eggs per Layer	Number	238	246	238	236	240	227
Eggs Produced	Mil. Eggs	120	118	61	58	59	47
Price/Dozen	Cents	66.0	42.0	46.0	40.0	35.0	50.0
Value of Production	000 Dols.	6,600	4,130	2,338	1,933	1,721	1,958
TURKEYS							
Number Raised 1/	000 Head	870	900	1,000	1,240	1,150	1,180
Production	000 Lbs.	17,052	19,260	19,300	28,892	25,990	24,780
Price per Pound	Cents	44.0	47.0	48.0	30.0	40.0	37.0
Value of Production	000 Dols.	7,503	9,052	9,264	8,668	10,396	9,169

1/ Based on turkeys hatched September 1 to August 31. Excludes young turkeys lost.

HONEY: Production, Disposition & Income
North Dakota, 1986-89

Item	Unit	1986	1987	1988	1989
Number of Colonies	Thousand	290	290	230	290
Yield per Colony	Lbs.	107	110	66	56
Production	000 Lbs.	31,030	31,900	15,180	16,240
Price per Pound	Dols.	.450	.450	.430	.440
Value of Production	000 Dols.	13,964	14,335	6,527	7,146
Stocks on Hand 1/	000 Lbs.	1,862	3,509	1,518	1,137

1/ Does not include stocks under loan.

EGG PRODUCTION
North Dakota, 1985-89

Year	Number of Layers					Eggs Produced				
	Dec.*-Feb.	Mar.-May	June-Aug	Sept.-Nov.	Annual Average	Dec.*-Feb.	Mar.-May	June-Aug.	Sept.-Nov.	Annual Total
	- - - Number of Layers - - -					- - - Thousand Eggs - - -				
1985	500,000	495,000	473,000	448,000	479,000	31,000	31,000	29,000	27,000	118,000
1986	325,000	228,000	240,000	233,000	256,000	19,000	14,000	14,000	14,000	61,000
1987	235,000	245,000	255,000	248,000	246,000	14,000	14,000	15,000	15,000	58,000
1988	248,000	255,000	243,000	238,000	246,000	16,000	16,000	14,000	13,000	59,000
1989	220,000	200,000	200,000	208,000	207,000	12,000	12,000	11,000	12,000	47,000

*December preceding year.

ALL CATTLE
Inventory, North Dakota, January 1

District and County	1990	1989	1988	1987	1986	1985	5-Year Average 1985-89 1/
				- - - Number of Head - - -			
Burke	11,000	10,000	11,000	12,000	12,000	14,000	11,800
Divide	14,000	12,000	13,000	13,000	13,000	14,000	13,000
Mountrail	30,000	27,000	32,000	35,000	35,000	35,000	32,800
Renville	7,000	6,000	7,000	8,000	8,000	9,000	7,600
Ward	37,000	33,000	37,000	39,000	38,000	39,000	37,200
Williams	26,000	22,000	25,000	28,000	26,000	29,000	26,000
Northwest	125,000	110,000	125,000	135,000	132,000	140,000	128,400
Benson	29,000	26,000	29,000	28,000	32,000	32,000	29,400
Bottineau	15,000	15,000	17,000	17,000	19,000	19,000	17,400
McHenry	69,000	60,000	67,000	71,000	74,000	75,000	69,400
Pierce	30,000	23,000	25,000	25,000	27,000	28,000	25,600
Rolette	22,000	21,000	22,000	22,000	23,000	23,000	22,200
North Central	165,000	145,000	160,000	163,000	175,000	177,000	164,000
Cavalier	7,000	7,000	8,000	8,000	9,000	9,000	8,200
Grand Forks	14,000	14,000	13,000	14,000	16,000	16,000	14,600
Nelson	12,000	12,000	13,000	16,000	17,000	17,000	15,000
Pembina	9,000	9,000	10,000	10,000	10,000	11,000	10,000
Ramsey	8,000	8,000	8,000	9,000	9,000	9,000	8,600
Towner	6,000	6,000	6,000	8,000	8,000	8,000	7,200
Walsh	14,000	14,000	15,000	18,000	18,000	18,000	16,600
Northeast	70,000	70,000	73,000	83,000	87,000	88,000	80,200
Dunn	83,000	75,000	88,000	95,000	97,000	99,000	90,800
McKenzie	72,000	66,000	67,000	77,000	75,000	77,000	72,400
McLean	38,000	37,000	43,000	47,000	47,000	50,000	44,800
Mercer	38,000	38,000	41,000	45,000	47,000	49,000	44,000
Oliver	29,000	29,000	33,000	37,000	38,000	40,000	35,400
West Central	260,000	245,000	272,000	301,000	304,000	315,000	287,400
Eddy	19,000	18,000	19,000	19,000	20,000	21,000	19,400
Foster	19,000	18,000	19,000	18,000	18,000	20,000	18,600
Kidder	65,000	60,000	64,000	69,000	72,000	72,000	67,400
Sheridan	23,000	23,000	27,000	29,000	30,000	29,000	27,600
Stutsman	68,000	60,000	63,000	65,000	68,000	75,000	66,200
Wells	26,000	26,000	28,000	28,000	30,000	30,000	28,400
Central	220,000	205,000	220,000	228,000	238,000	247,000	227,600
Barnes	23,000	23,000	25,000	28,000	31,000	31,000	27,600
Cass	22,000	22,000	24,000	26,000	28,000	30,000	26,000
Griggs	15,000	15,000	16,000	19,000	22,000	23,000	19,000
Steele	5,000	5,000	5,000	6,000	6,000	7,000	5,800
Traill	5,000	5,000	5,000	7,000	7,000	7,000	6,200
East Central	70,000	70,000	75,000	86,000	94,000	98,000	84,600
Adams	32,000	29,000	33,000	34,000	36,000	39,000	34,200
Billings	28,000	25,000	29,000	28,000	31,000	32,000	29,000
Bowman	30,000	28,000	31,000	30,000	35,000	36,000	32,000
Golden Valley	25,000	25,000	28,000	27,000	30,000	32,000	28,400
Hettinger	27,000	24,000	27,000	28,000	30,000	31,000	28,000
Slope	29,000	25,000	29,000	27,000	31,000	33,000	29,000
Stark	54,000	49,000	59,000	58,000	62,000	67,000	59,000
Southwest	225,000	205,000	236,000	232,000	255,000	270,000	239,600
Burleigh	65,000	57,000	65,000	68,000	75,000	72,000	67,400
Emmons	70,000	60,000	72,000	74,000	76,000	79,000	72,200
Grant	70,000	63,000	73,000	75,000	77,000	78,000	73,200
Morton	94,000	89,000	101,000	105,000	109,000	107,000	102,200
Sioux	36,000	31,000	38,000	34,000	38,000	39,000	36,000
South Central	335,000	300,000	349,000	356,000	375,000	375,000	351,000
Dickey	46,000	42,000	49,000	56,000	60,000	61,000	53,600
LaMoure	34,000	31,000	35,000	41,000	42,000	41,000	38,000
Logan	64,000	55,000	60,000	52,000	59,000	61,000	57,400
McIntosh	55,000	45,000	53,000	60,000	64,000	60,000	56,400
Ransom	28,000	26,000	31,000	33,000	36,000	36,000	32,400
Richland	30,000	30,000	36,000	41,000	44,000	45,000	39,200
Sargent	23,000	21,000	26,000	33,000	35,000	36,000	30,200
Southeast	280,000	250,000	290,000	316,000	340,000	340,000	307,200
STATE	1,750,000	1,600,000	1,800,000	1,900,000	2,000,000	2,050,000	1,870,000

1/ Totals may not add due to rounding

June 1990

MILK COWS

Inventory, North Dakota, January 1

District and County	1990	1989	1988	1987	1986	1985	5-Year Average 1985-89 1/
	- - - Number of Head - - -						
Burke	200	200	200	300	300	300	260
Divide	100	100	100	100	200	200	140
Mountrail	1,000	900	1,100	1,000	1,200	1,200	1,080
Renville	400	400	400	500	600	600	500
Ward	1,700	1,700	2,000	2,000	2,400	2,100	2,040
Williams	400	400	500	400	300	400	400
Northwest	3,800	3,700	4,300	4,300	5,000	4,800	4,420
Benson	1,200	1,200	1,300	1,200	1,500	1,600	1,360
Bottineau	500	500	500	300	400	400	420
McHenry	1,800	1,900	2,400	3,100	3,500	3,300	2,840
Pierce	1,800	1,800	2,000	1,900	2,100	2,000	1,960
Rolette	900	800	800	500	700	600	680
North Central	6,200	6,200	7,000	7,000	8,200	7,900	7,260
Cavalier	200	200	200	300	300	300	260
Grand Forks	800	800	800	900	1,200	1,100	960
Nelson	1,000	1,000	1,000	900	800	900	920
Pembina	200	200	200	100	200	200	180
Ramsey	400	400	400	500	600	500	480
Towner	200	200	200	400	300	300	280
Walsh	500	500	600	700	800	800	680
Northeast	3,300	3,300	3,400	3,800	4,200	4,100	3,760
Dunn	1,700	1,800	1,900	1,600	1,700	1,500	1,700
McKenzie	200	300	300	300	500	500	380
McLean	1,800	1,700	1,900	1,800	2,100	2,100	1,920
Mercer	1,500	1,700	1,800	1,900	2,000	1,700	1,820
Oliver	2,400	2,500	2,700	2,400	3,100	2,700	2,680
West Central	7,600	8,000	8,600	8,000	9,400	8,500	8,500
Eddy	700	600	600	600	800	700	660
Foster	300	300	400	400	500	400	400
Kidder	2,700	3,000	3,400	3,100	3,000	3,000	3,100
Sheridan	1,800	1,800	1,900	1,600	1,600	1,800	1,740
Stutsman	4,400	4,900	5,200	5,000	5,600	5,000	5,140
Wells	1,100	1,300	1,400	1,300	1,800	1,500	1,460
Central	11,000	11,900	12,900	12,000	13,300	12,400	12,500
Barnes	2,000	1,800	1,800	1,400	1,800	1,700	1,700
Cass	1,000	800	900	800	1,000	800	860
Griggs	800	700	800	700	1,000	1,100	860
Steele	200	200	200	200	200	200	200
Traill	300	300	300	300	300	300	300
East Central	4,300	3,800	4,000	3,400	4,300	4,100	3,920
Adams	500	600	600	300	400	400	460
Billings	500	400	400	300	400	500	400
Bowman	100	100	200	400	400	400	300
Golden Valley	400	500	600	500	700	900	640
Hettinger	1,800	2,000	2,300	2,600	2,700	2,800	2,480
Slope	300	300	300	500	500	500	420
Stark	4,500	4,600	4,800	5,000	4,900	4,500	4,760
Southwest	8,100	8,500	9,200	9,600	10,000	10,000	9,460
Burleigh	2,200	2,300	2,300	1,900	2,100	2,100	2,140
Emmons	7,900	7,700	8,400	8,000	8,000	7,800	7,980
Grant	4,300	4,600	5,200	5,000	5,000	4,800	4,920
Morton	7,600	8,100	8,800	8,100	8,500	8,000	8,300
Sioux	1,200	1,200	1,300	1,200	1,300	1,300	1,260
South Central	23,200	23,900	26,000	24,200	24,900	24,000	24,600
Dickey	2,500	2,300	2,600	2,400	2,900	2,500	2,540
LaMoure	4,200	3,800	4,000	3,700	4,300	4,000	3,960
Logan	4,700	4,300	4,700	4,500	5,100	4,700	4,660
McIntosh	4,500	4,100	4,600	4,400	5,200	4,800	4,620
Ransom	1,200	1,000	1,100	1,100	1,100	1,200	1,100
Richland	2,000	1,800	2,100	2,100	2,600	2,600	2,240
Sargent	1,400	1,400	1,500	1,500	1,500	1,400	1,460
Southeast	20,500	18,700	20,600	19,700	22,700	21,200	20,580
STATE	88,000	88,000	96,000	92,000	102,000	97,000	95,000

1/ Totals may not add due to rounding

HOGS & PIGS

Inventory, North Dakota, December 1

District and County	1989	1988	1987	1986	1985	1984	5-Year Average 1984-88 1/
	- - - Number of Head - - -						
Burke	600	800	700	600	600	500	640
Divide	4,400	5,500	4,700	2,600	2,300	1,700	3,360
Mountrail	700	900	1,000	1,100	1,200	1,000	1,040
Renville	700	900	800	500	600	600	680
Ward	3,700	4,400	3,300	2,600	3,000	2,700	3,200
Williams	1,900	2,500	2,500	1,700	1,700	1,700	2,020
Northwest	12,000	15,000	13,000	9,100	9,400	8,200	10,940
Benson	2,000	2,600	2,300	2,000	2,500	2,700	2,420
Bottineau	1,600	2,000	1,800	1,900	1,700	1,400	1,760
McHenry	1,900	2,500	2,500	1,500	2,000	2,200	2,140
Pierce	1,400	1,500	1,300	500	600	500	880
Rolette	1,100	1,400	1,600	1,100	1,300	1,100	1,300
North Central	8,000	10,000	9,500	7,000	8,100	7,900	8,500
Cavalier	1,600	2,300	1,900	2,500	3,400	4,000	2,820
Grand Forks	5,900	7,200	7,300	6,100	6,400	5,500	6,500
Nelson	1,200	1,600	1,600	1,800	2,000	2,000	1,800
Pembina	11,700	13,500	12,500	9,900	10,000	8,200	10,820
Ramsey	1,700	2,100	2,000	2,500	2,200	2,000	2,160
Towner	1,900	2,300	2,400	1,700	2,000	1,800	2,040
Walsh	5,000	6,000	6,300	7,600	8,000	7,100	7,000
Northeast	29,000	35,000	34,000	32,100	34,000	30,600	33,140
Dunn	3,800	4,600	4,100	3,200	3,300	2,900	3,620
McKenzie	3,900	4,800	4,700	2,700	2,800	2,400	3,480
McLean	2,700	3,400	3,900	3,200	3,000	3,200	3,340
Mercer	1,200	1,500	1,800	1,300	1,500	1,300	1,480
Oliver	5,400	6,700	7,500	6,400	6,400	5,700	6,540
West Central	17,000	21,000	22,000	16,800	17,000	15,500	18,460
Eddy	800	1,000	1,000	900	800	700	880
Foster	2,700	3,000	2,900	2,700	2,700	4,300	3,120
Kidder	3,500	4,500	4,000	2,300	2,600	3,000	3,280
Sheridan	1,500	1,800	1,800	1,600	1,500	1,300	1,600
Stutsman	9,100	11,500	11,400	8,000	8,000	6,800	9,140
Wells	3,400	4,200	3,900	2,500	1,900	1,900	2,880
Central	21,000	26,000	25,000	18,000	17,500	18,000	20,900
Barnes	12,400	14,500	14,200	12,400	13,000	10,000	12,820
Cass	21,000	25,300	23,600	21,800	23,000	20,500	22,840
Griggs	2,400	3,000	3,000	2,200	1,900	2,000	2,420
Steele	700	900	900	1,100	900	700	900
Traill	4,500	5,300	5,300	4,500	4,700	4,500	4,860
East Central	41,000	49,000	47,000	42,000	43,500	37,700	43,840
Adams	2,300	2,700	3,000	2,000	2,500	2,000	2,440
Billings	1,100	1,300	1,100	400	400	400	720
Bowman	3,100	3,700	3,300	1,500	1,800	1,600	2,380
Golden Valley	2,700	3,100	3,000	2,000	3,200	3,200	2,900
Hettinger	8,400	9,900	9,500	6,400	8,800	7,200	8,360
Slope	3,500	4,100	5,100	5,400	5,000	4,300	4,780
Stark	5,900	7,200	7,000	5,300	5,800	5,600	6,180
Southwest	27,000	32,000	32,000	23,000	27,500	24,300	27,760
Burleigh	7,500	9,200	9,200	9,600	12,000	10,500	10,100
Emmons	4,200	5,300	5,500	5,000	5,700	5,400	5,380
Grant	12,500	15,600	17,100	13,700	13,000	11,000	14,080
Morton	11,300	14,000	13,700	11,600	12,000	10,800	12,420
Sioux	1,500	1,900	2,000	1,100	1,300	1,100	1,480
South Central	37,000	46,000	47,500	41,000	44,000	38,800	43,460
Dickey	20,000	24,000	22,100	21,400	19,000	17,000	20,700
LaMoure	8,000	10,500	8,000	7,000	7,000	8,000	8,100
Logan	1,800	2,200	2,300	1,700	2,000	1,700	1,980
McIntosh	2,000	2,500	2,300	2,200	2,000	2,000	2,200
Ransom	15,000	18,000	15,500	10,700	11,000	8,800	12,800
Richland	22,200	25,800	25,300	26,000	25,000	21,500	24,720
Sargent	19,000	23,000	19,500	17,000	18,000	15,000	18,500
Southeast	88,000	106,000	95,000	86,000	84,000	74,000	89,000
STATE	280,000	340,000	325,000	275,000	285,000	255,000	296,000

1/ Totals may not add due to rounding

SHEEP

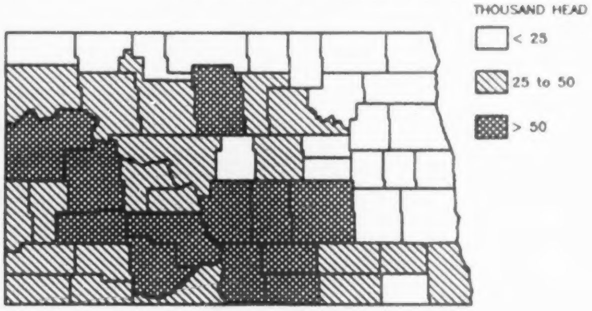
Inventory, North Dakota, January 1

District and County	1990	1989	1988	1987	1986	1985	5-Year Average 1985-89 1/
	--- Number of Head ---						
Burke	1,800	1,700	2,000	3,100	3,000	3,800	2,720
Divide	1,500	1,400	1,600	2,300	2,400	2,600	2,060
Mountrail	3,200	2,500	2,700	2,700	2,400	2,600	2,580
Renville	500	400	400	500	400	400	420
Ward	3,000	3,000	3,400	4,600	4,400	4,800	4,040
Williams	9,000	8,000	7,900	7,800	6,400	8,800	7,780
Northwest	19,000	17,000	18,000	21,000	19,000	23,000	19,600
Benson	3,400	3,200	3,200	2,300	1,700	1,800	2,440
Bottineau	1,900	1,500	1,500	1,600	1,400	1,700	1,540
McHenry	3,800	3,600	3,500	3,400	3,400	3,800	3,540
Pierce	1,000	900	900	900	900	1,100	940
Rolette	900	800	1,000	1,800	2,100	2,600	1,660
North Central	11,000	10,000	10,100	10,000	9,500	11,000	10,120
Cavalier	400	300	300	400	600	600	440
Grand Forks	1,900	1,800	1,700	1,700	2,300	3,000	2,100
Nelson	2,000	1,800	1,800	1,900	1,700	2,200	1,880
Pembina	600	500	500	600	700	900	640
Ramsey	800	800	800	1,500	1,300	1,300	1,140
Towner	1,700	1,500	1,700	1,800	2,700	3,600	2,260
Walsh	1,600	1,300	1,200	1,100	700	900	1,040
Northeast	9,000	8,000	8,000	9,000	10,000	12,500	9,500
Dunn	4,000	3,100	3,200	2,400	1,900	2,400	2,600
McKenzie	9,400	7,000	7,100	11,200	13,500	17,000	11,160
McLean	2,300	2,300	2,600	2,200	2,000	2,600	2,340
Mercer	1,200	1,000	1,200	600	700	900	880
Oliver	2,100	1,600	1,900	2,600	2,900	3,100	2,420
West Central	19,000	15,000	16,000	19,000	21,000	26,000	19,400
Eddy	3,100	2,900	3,000	3,300	3,200	4,600	3,400
Foster	3,400	3,300	3,200	2,800	2,200	2,800	2,860
Kidder	9,700	9,400	9,000	9,500	7,200	7,800	8,580
Sheridan	500	400	400	600	500	600	500
Stutsman	7,600	7,400	6,400	5,600	6,000	6,700	6,420
Wells	2,700	2,600	2,600	2,700	2,400	3,000	2,660
Central	27,000	26,000	24,600	24,500	21,500	25,500	24,420
Barnes	7,600	6,100	6,300	6,000	5,300	5,300	5,800
Cass	10,000	7,200	7,400	7,300	7,900	9,500	7,860
Griggs	900	700	800	1,300	1,700	2,000	1,300
Steele	1,000	600	700	1,600	2,400	2,800	1,620
Traill	500	400	500	800	700	900	660
East Central	20,000	15,000	15,700	17,000	18,000	20,500	17,240
Adams	10,500	9,500	10,500	10,500	11,000	13,000	10,900
Billings	700	600	700	700	700	600	660
Bowman	20,000	16,600	17,400	24,300	22,000	25,000	21,060
Golden Valley	3,400	3,300	3,600	4,200	3,800	4,000	3,780
Hettinger	1,000	900	800	900	1,000	1,000	920
Slope	4,400	4,600	5,000	3,500	3,800	4,400	4,260
Stark	4,000	3,500	4,000	3,900	3,700	4,000	3,820
Southwest	44,000	39,000	42,000	48,000	46,000	52,000	45,400
Burleigh	3,600	3,400	3,500	2,800	2,400	2,300	2,880
Emmons	1,300	1,200	1,400	1,200	1,100	1,400	1,260
Grant	4,400	4,100	4,400	3,900	3,900	4,800	4,220
Morton	4,400	4,100	4,500	4,300	3,400	4,900	4,240
Sioux	1,300	1,200	1,300	1,800	2,200	2,100	1,720
South Central	15,000	14,000	15,100	14,000	13,000	15,500	14,320
Dickey	6,400	5,900	5,900	6,800	7,200	9,500	7,060
LaMoure	6,500	6,000	5,900	5,600	4,800	6,000	5,660
Logan	600	500	500	1,200	1,200	1,900	1,060
McIntosh	1,300	1,200	1,100	1,100	1,300	1,800	1,300
Ransom	2,000	1,900	1,900	2,500	2,200	3,000	2,300
Richland	2,700	2,200	2,100	2,400	2,300	2,900	2,380
Sargent	2,500	2,300	2,100	2,900	3,000	3,900	2,840
Southeast	22,000	20,000	19,500	22,500	22,000	29,000	22,600
STATE	186,000	164,000	169,000	185,000	180,000	215,000	182,600

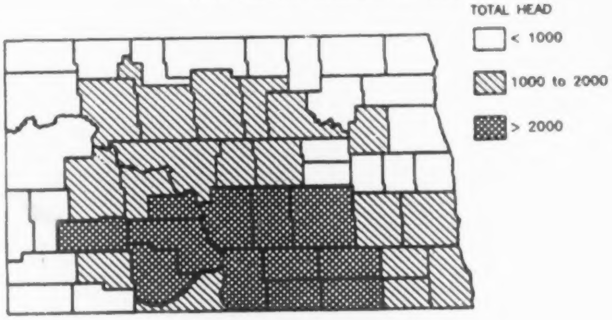
1/ Totals may not add due to rounding

LIVESTOCK

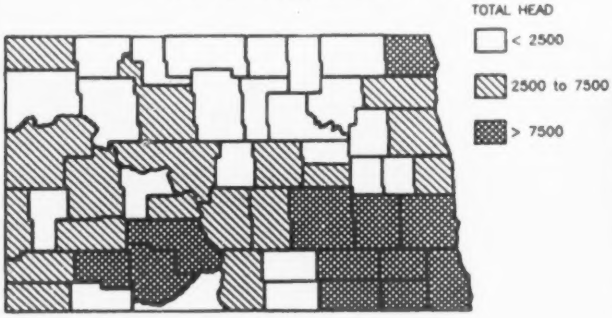
ALL CATTLE INVENTORY
NORTH DAKOTA, JANUARY 1, 1990



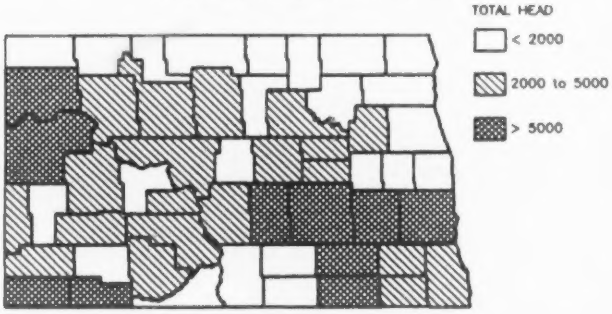
MILK COW INVENTORY
NORTH DAKOTA, JANUARY 1, 1990



HOG INVENTORY
NORTH DAKOTA, DECEMBER 1, 1989



SHEEP INVENTORY
NORTH DAKOTA, JANUARY 1, 1990



MEAT ANIMALS (Cattle, Sheep & Hogs): Production & Income, North Dakota, 1969-89

Year	Production	Marketings	Average Price	Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
	- - - Thousand Lbs. - - -		- - - Dols./cwt. - - -		- - - Thousand Dollars - - -		
1969	852,366	828,853	25.80	220,779	21[illegible],056	8,151	222,207
1970	894,029	818,837	26.80	241,618	219,307	9,317	228,624
1971	996,562	932,374	27.20	273,767	253,347	9,782	263,129
1972	1,003,695	922,526	33.50	339,535	309,501	10,345	319,846
1973	1,046,453	896,622	44.60	467,914	399,655	14,335	413,990
1974	1,117,314	1,082,104	34.00	379,795	368,009	14,828	382,837
1975	1,018,448	1,203,866	31.20	321,860	375,020	9,902	384,922
1976	977,472	1,112,526	34.60	340,174	385,138	10,430	395,568
1977	870,004	1,060,853	35.60	312,232	377,556	10,001	387,557
1978	782,866	833,097	50.50	392,701	420,395	16,764	437,159
1979	863,865	843,432	67.70	582,259	571,269	16,589	587,858
1980	934,292	1,045,550	60.90	563,886	636,380	15,743	652,123
1981	905,927	799,762	54.70	496,159	437,431	10,475	447,906
1982	849,964	848,756	52.60	449,466	446,633	8,216	454,849
1983	914,974	894,935	53.10	485,509	475,641	8,778	484,419
1984	927,466	984,213	53.20	491,691	523,793	8,694	532,487
1985	934,119	973,795	53.90	500,302	524,548	8,915	533,463
1986	866,297	980,327	52.70	457,742	516,870	7,692	524,562
1987	873,908	936,130	65.00	560,601	608,848	8,907	617,755
1988	752,686	977,040	71.90	540,091	702,137	8,902	711,039
1989	768,190	665,040	73.20	560,285	486,725	7,320	494,045

- NOTES -

PRICES

Cutting Sunflower, 1920

NORTH DAKOTA PRICES

Prices for all farm commodities, as a group, were 7 percent higher during 1989 than for 1988. This is based on the Index of Prices Received for All Farm Products, which averaged 162 percent of its 1977 base compared to 152 percent the previous year. The Index established a new record high and surpassed the previous record high of 160 percent in 1980. Higher crop and livestock prices each combined for the higher Index.

The All Crops Index for 1989, at 152, was 8 percent above the average for 1988. The All Livestock Products Index, at 185, was 2 percent greater than 1988.

Crop marketing year average prices received by farmers in 1989 averaged lower for all crop commodities except dry edible beans, non-oil sunflower and potatoes. The 1989 marketing year average price for spring wheat was 9 percent lower than the previous year while durum wheat fell 28 percent. The all barley price decreased 28 percent as all sunflower fell 5 percent from 1988.

Market year average prices for livestock and livestock products during 1989 averaged higher than a year ago for beef cattle, steers and heifers, cows, sheep, milk cows, wholesale milk, chickens, eggs and wool. Prices were lower for calves, hogs, lambs and turkeys. The 1989 marketing year average price for beef cattle increased 1 percent from 1988 while steers and heifers increased 2 percent.

INDEXES OF PRICES RECEIVED BY PRODUCERS, North Dakota, 1988-89

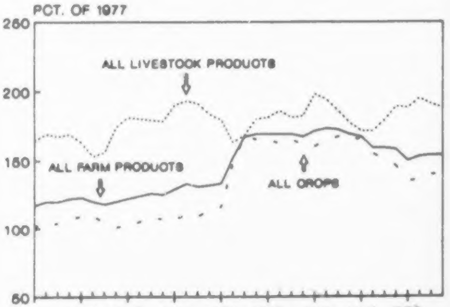
Commodity	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An. Avg.
1988						(1977 = 100)1/							
All Farm Products	129	133	131	132	133	152	167	169	169	169	169	167	152
All Crops	107	110	109	113	116	148	167	165	165	162	165	161	141
Food Grains	119	121	115	123	126	161	177	176	175	169	171	165	150
Feed Grains & Hay	91	93	96	100	102	154	184	185	184	181	176	168	143
Oil Bearing Crops	78	81	83	86	89	107	128	126	120	118	122	125	105
Other Crops 2/	129	135	143	138	135	143	158	149	162	167	185	188	153
All Livestock Products	190	193	191	183	179	163	168	180	181	186	181	182	181
Meat Animals	207	211	210	200	195	176	181	195	193	198	192	192	196
Dairy Products	127	124	122	120	117	114	119	123	134	142	144	144	128
Poultry, Eggs & Wool	108	108	108	108	108	108	108	108	108	108	108	115	109
1989													
All Farm Products	171	173	172	169	167	159	159	158	150	153	154	154	162
All Crops	160	164	167	166	165	155	151	146	135	136	140	140	152
Food Grains	163	168	168	161	165	159	156	149	142	143	143	145	155
Feed Grains & Hay	166	162	165	162	157	134	123	137	126	130	126	128	143
Oil Bearing Crops	123	120	116	115	113	101	102	103	102	96	102	104	108
Other Crops 2/	185	205	221	245	238	233	230	198	159	169	193	183	205
All Livestock Products	198	194	186	177	171	171	179	189	188	195	191	188	185
Meat Animals	212	209	199	189	182	181	190	202	198	204	197	192	196
Dairy Products	141	135	130	127	128	129	131	138	149	159	170	178	143
Poultry, Eggs & Wool	113	113	113	113	113	113	113	113	113	113	113	113	113

1/ Base price is 1977 average. Quantity weights based on moving three-year average sales. 2/ Potatoes, dry edible beans and sugarbeets.

INDEXES OF PRICES RECEIVED BY PRODUCERS
Annual Average, North Dakota, 1980-89

Year	All Farm Products	All Crops	All Livestock	All Farm Products	All Crops	All Livestock
	(1977=100)			(1910-1914=100)		
1980	160	158	167	556	476	809
1981	154	155	152	535	467	736
1982	134	129	149	466	389	721
1983	139	136	148	483	410	717
1984	145	144	148	504	434	717
1985	133	129	146	462	389	707
1986	114	104	144	396	314	697
1987	121	105	169	421	317	818
1988	152	141	181	528	425	876
1989	162	152	185	563	458	896

INDEXES OF PRICES RECEIVED
NORTH DAKOTA, 1987 - 89



PRICES RECEIVED BY PRODUCERS
North Dakota, 1985-89

Year	Chickens	Turkeys	Eggs	Wool
	(Dollars per Pound)		($/doz.)	($/lb.)
1985	.100	.470	.420	.550
1986	.090	.480	.460	.580
1987	.060	.300	.400	.720
1988	.080	.400	.350	1.060
1989	.125	.370	.500	1.080

GRAZING RATES 1/
North Dakota, 1980-89

Year	Survey Average Rates	
	Animal Unit	Cow-Calf
	- - - Dollars - - -	
1985	6.97	8.88
1986	7.63	9.14
1987	7.41	8.86
1988	7.67	9.11
1989	8.26	8.38

1/ Privately owned non-irrigated land from June Acreage and Livestock Survey.

NORTH DAKOTA PRICES

Prices Received By Producers, North Dakota, 1985-89 1/

Commodity	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mktg. Yr. Average
								- - - Dollars - - -						
All Wheat (per bu)	1985	3.50	3.52	3.51	3.58	3.54	3.50	3.31	3.10	3.12	3.20	3.38	3.41	3.26
	1986	3.33	3.27	3.34	3.45	3.43	2.92	2.30	2.23	2.30	2.28	2.53	2.58	2.54
	1987	2.73	2.76	2.80	2.83	2.86	2.74	2.58	2.56	2.83	2.89	2.98	2.89	2.95
	1988	2.85	2.91	2.76	2.95	3.03	3.85	4.23	4.21	4.19	4.05	4.09	3.94	4.02
	1989	3.90	4.01	4.03	3.86	3.94	3.80	3.74	3.57	3.40	3.42	3.41	3.47	3.41
Spring Wheat Other than Durum (per bu)	1985	3.49	3.49	3.49	3.57	3.56	3.53	3.34	3.09	3.16	3.34	3.49	3.56	3.34
	1986	3.54	3.43	3.49	3.59	3.49	2.72	2.33	2.32	2.31	2.22	2.53	2.51	2.52
	1987	2.68	2.68	2.64	2.62	2.79	2.54	2.43	2.44	2.57	2.64	2.67	2.73	2.80
	1988	2.78	2.77	2.70	2.85	2.95	3.36	3.64	3.73	3.79	3.78	3.74	3.78	3.78
	1989	3.87	3.86	3.94	3.89	3.92	3.79	3.82	3.62	3.49	3.50	3.48	3.53	3.45
Durum Wheat (per bu)	1985	3.55	3.60	3.55	3.60	3.53	3.46	3.26	3.15	3.07	3.01	3.07	3.16	3.16
	1986	3.16	3.16	3.20	3.29	3.37	3.18	2.28	2.11	2.29	2.35	2.54	2.64	2.66
	1987	2.82	2.92	3.03	3.12	3.12	3.15	3.00	2.88	3.18	3.26	3.31	3.18	3.38
	1988	3.08	3.24	2.89	3.20	3.33	4.78	5.24	5.30	5.14	4.96	4.88	4.59	4.60
	1989	4.06	4.57	4.44	3.79	4.05	3.83	3.59	3.44	3.22	3.24	3.26	3.34	3.30
Oats (per bu)	1985	1.44	1.44	1.50	1.50	1.47	1.37	1.18	0.97	0.98	0.95	1.03	1.10	1.05
	1986	1.13	1.04	1.04	1.16	1.04	0.99	0.84	0.85	0.85	1.00	1.30	1.34	1.20
	1987	1.29	1.28	1.29	1.31	1.43	1.33	1.26	1.31	1.38	1.51	1.60	1.67	1.57
	1988	1.70	1.70	1.58	1.72	1.70	2.59	2.69	2.22	2.73	2.51	2.50	2.37	2.34
	1989	2.15	2.17	2.03	2.06	2.01	1.61	1.32	1.20	1.15	1.20	1.15	1.25	1.20
All Barley (per bu)	1985	1.89	1.97	1.99	1.98	1.94	1.93	1.73	1.51	1.46	1.60	1.65	1.73	1.60
	1986	1.82	1.82	1.78	1.70	1.51	1.35	1.20	1.06	1.14	1.31	1.43	1.42	1.37
	1987	1.42	1.53	1.54	1.53	1.65	1.65	1.58	1.29	1.32	1.44	1.52	1.54	1.70
	1988	1.47	1.51	1.58	1.64	1.65	2.57	3.20	3.25	3.27	3.22	3.08	2.90	2.97
	1989	2.90	2.79	2.85	2.78	2.68	2.18	1.94	2.39	2.16	2.25	2.14	2.17	2.15
Barley, Feed (per bu)	1985	1.78	1.82	1.85	1.85	1.76	1.71	1.52	1.47	1.36	1.44	1.55	1.66	1.47
	1986	1.74	1.63	1.57	1.53	1.39	1.25	1.13	1.03	1.10	1.24	1.30	1.31	1.25
	1987	1.40	1.48	1.47	1.42	1.54	1.56	1.47	1.20	1.26	1.30	1.43	1.42	1.45
	1988	1.43	1.39	1.47	1.47	1.50	2.03	2.42	2.19	2.17	2.28	2.07	2.15	2.16
	1989	2.18	2.29	2.37	2.09	1.87	1.80	1.72	1.75	1.79	1.71	1.88	1.89	1.80
Barley, Malting (per bu)	1985	1.96	2.03	2.04	2.03	2.03	1.97	1.82	1.65	1.65	1.75	1.76	1.81	1.74
	1986	1.87	1.88	1.88	1.78	1.59	1.50	1.30	1.16	1.29	1.41	1.47	1.44	1.50
	1987	1.44	1.60	1.60	1.63	1.70	1.68	1.65	1.44	1.56	1.52	1.56	1.62	1.86
	1988	1.56	1.58	1.62	1.70	1.74	2.72	3.38	3.58	3.51	3.48	3.33	3.32	3.32
	1989	3.48	3.11	3.25	3.10	3.09	2.56	2.51	2.64	2.42	2.61	2.72	2.51	2.50
Rye (per bu)	1985	2.08	1.97	1.95	2.44	1.62	1.76	1.70	1.56	1.95	1.83	2.00	1.96	1.82
	1986	1.96	1.65	1.88	1.69	1.77	1.58	1.02	1.00	1.00	0.87	0.99	1.45	1.16
	1987	1.19	1.24	1.44	1.24	1.27	1.16	1.14	0.93	1.08	1.40	1.33	1.19	1.31
	1988	1.37	1.10	1.06	1.00	1.13	1.87	1.68	1.75	1.85	1.89	1.77	1.80	1.77
	1989	1.93	1.95	1.78	1.90	1.79	1.79	1.50	1.51	1.60	1.69	1.74	1.67	1.60
Flaxseed (per bu)	1985	6.61	6.65	6.10	6.66	6.94	6.55	6.20	5.86	5.46	5.01	4.79	4.78	5.00
	1986	4.78	4.96	4.95	4.88	4.89	4.95	4.41	3.74	3.67	3.46	3.39	3.41	3.45
	1987	3.18	3.13	3.07	3.16	3.34	3.45	3.49	3.35	3.14	3.07	3.02	3.19	3.39
	1988	3.45	3.81	3.96	4.10	4.17	5.28	6.26	7.21	7.62	7.79	8.18	8.37	7.54
	1989	8.34	8.70	8.10	7.78	7.55	6.79	6.12	6.32	7.08	7.09	7.15	7.14	7.30
Corn (per bu)	1985	2.55	2.53	2.56	2.61	2.60	2.61	2.57	2.54	2.52	2.17	2.19	2.26	2.17
	1986	2.21	2.20	2.23	2.15	2.17	2.17	1.96	1.47	1.07	1.31	1.31	1.30	1.42
	1987	1.34	1.37	1.35	1.42	1.44	1.60	1.50	1.36	1.46	1.50	1.78	1.61	1.91
	1988	1.67	1.70	1.76	1.81	1.93	2.47	2.77	2.78	2.38	2.39	2.41	2.48	2.40
	1989	2.46	2.49	2.48	2.43	2.39	2.43	2.41	2.14	2.11	2.12	2.15	2.22	2.20
Soybeans (per bu)	1985	5.34	5.55	5.56	5.70	5.46	5.47	5.21	4.96	4.79	4.44	4.76	4.94	4.79
	1986	5.08	4.96	4.98	5.00	4.52	5.00	4.66	4.74	4.27	4.37	4.49	4.53	4.63
	1987	4.39	4.53	4.55	4.66	4.90	5.12	5.13	4.88	4.85	4.92	5.07	5.31	5.27
	1988	5.50	5.66	6.01	6.09	6.46	7.28	7.95	7.88	7.08	6.97	7.24	7.18	6.95
	1989	7.26	7.38	7.31	7.15	6.74	6.78	6.51	5.79	5.35	5.29	5.37	5.33	5.30
Sunflower, All (per cwt)	1985	11.10	11.40	11.20	12.00	12.10	11.50	10.70	9.65	—	11.30	9.08	8.53	8.01
	1986	8.82	7.98	7.95	7.10	7.23	7.05	6.27	6.04	6.07	7.33	6.51	6.51	7.10
	1987	6.91	7.07	6.87	7.57	7.67	7.80	7.61	7.12	6.85	6.90	7.00	7.18	8.46
	1988	7.96	8.35	8.40	8.71	9.01	11.10	13.80	13.20	12.70	12.40	12.70	13.10	12.00
	1989	12.80	12.10	11.60	11.60	11.70	9.81	10.50	11.10	11.10	10.10	11.00	11.40	11.40
Sunflower, Oil (per cwt)	1985	10.50	10.90	11.10	12.00	12.00	11.50	10.60	9.65	—	8.06	7.68	7.55	7.32
	1986	8.14	7.22	7.30	6.89	7.06	6.89	6.13	5.88	5.82	6.27	6.26	6.08	6.66
	1987	6.13	6.11	6.40	7.21	7.52	7.62	7.40	6.87	6.72	6.48	6.49	6.90	8.25
	1988	7.69	7.96	8.23	8.49	8.86	11.10	12.90	13.00	11.80	11.50	10.80	11.10	11.20
	1989	11.40	11.70	11.30	11.30	11.10	9.59	10.30	10.20	9.86	9.31	9.74	9.58	10.00
Sunflower, Non-Oil (per cwt)	1985	15.60	14.40	14.80	14.10	14.80	14.80	14.50	—	—	13.40	13.50	13.40	13.30
	1986	13.20	13.50	12.50	11.30	12.80	12.80	10.30	11.00	8.80	9.62	9.53	9.93	9.55
	1987	9.60	9.20	9.51	9.32	9.38	10.00	9.64	8.90	8.92	8.58	9.23	9.37	9.78
	1988	9.45	9.56	9.74	10.10	9.80	10.90	20.10	22.50	15.40	14.00	17.40	18.90	15.60
	1989	18.20	15.20	14.80	15.40	18.90	19.20	24.40	24.10	16.20	13.70	14.50	15.10	15.60
Dry Beans (per cwt)	1985	15.50	14.60	15.50	16.40	16.70	17.00	18.00	17.30	14.60	15.20	14.70	14.30	14.40
	1986	15.30	14.00	12.80	13.30	13.40	13.60	14.20	13.50	15.40	21.30	20.80	19.30	17.60
	1987	17.20	13.90	13.60	14.20	12.70	13.80	14.10	14.20	13.80	12.60	10.80	10.20	12.90
	1988	10.40	11.10	12.20	13.50	14.80	18.50	25.50	21.40	21.80	24.80	25.30	26.60	25.50
	1989	28.10	30.80	33.40	34.10	28.10	26.20	24.90	19.90	22.80	23.00	25.20	25.30	26.30

See Footnotes page 152.
June 1990

NORTH DAKOTA PRICES CONT.

Prices Received By Producers, North Dakota, 1985-89 1/

Commodity	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mktg. Yr. Average
								- - - Dollars - - -						
Potatoes	1985	4.65	5.25	5.40	5.50	5.00	4.50	---	---	3.10	2.95	3.25	3.25	3.20
(per cwt)	1986	3.50	3.60	3.50	2.85	2.65	2.65	---	---	2.80	3.30	4.00	3.90	4.20
	1987	4.00	4.20	4.65	5.15	5.60	7.25	---	---	2.85	2.95	3.20	3.55	3.50
	1988	3.45	3.95	4.50	3.70	3.15	---	---	---	4.25	4.15	5.80	5.80	6.35
	1989	5.35	6.70	7.75	9.95	10.60	---	---	---	4.00	4.95	6.80	5.80	6.75
Sugarbeets	1985													35.50
(per ton)	1986													39.30
	1987						YEARLY	ONLY						43.90
	1988													44.00
	1989													NA
All Hay, Baled	1985	42.00	43.00	44.00	44.00	44.00	42.00	45.00	51.00	53.00	52.00	50.00	53.00	51.50
(per ton)	1986	54.00	55.00	55.00	55.00	50.00	50.00	43.00	37.00	36.00	34.00	36.00	37.00	37.00
	1987	34.00	34.00	34.00	32.00	35.00	41.00	36.00	37.00	37.00	36.00	36.00	34.00	36.50
	1988	34.00	37.00	35.00	36.00	41.00	68.00	70.00	75.00	76.00	75.00	77.00	78.00	78.00
	1989	78.00	78.00	86.00	87.00	87.00	78.00	78.00	71.00	68.00	68.00	67.00	69.00	70.50
Alfalfa Hay, Baled	1985	48.00	50.00	50.00	51.00	51.00	48.00	52.00	58.00	61.00	60.00	58.00	62.00	NA
(per ton)	1986	63.00	64.00	63.00	63.00	57.00	57.00	48.00	41.00	41.00	40.00	41.00	42.00	NA
	1987	39.00	39.00	38.00	37.00	39.00	46.00	42.00	44.00	41.00	41.00	40.00	39.00	NA
	1988	40.00	42.00	40.00	42.00	48.00	83.00	84.00	91.00	95.00	92.00	91.00	92.00	NA
	1989	92.00	92.00	100.00	101.00	100.00	90.00	90.00	80.00	77.00	77.00	76.00	78.00	NA
Other Hay, Baled	1985	32.00	33.00	34.00	34.00	33.00	32.00	34.00	41.00	40.00	40.00	40.00	43.00	NA
(per ton)	1986	43.00	43.00	44.00	44.00	41.00	41.00	37.00	29.00	26.00	24.00	28.00	29.00	NA
	1987	26.00	27.00	27.00	25.00	29.00	33.00	27.00	29.00	30.00	28.00	29.00	28.00	NA
	1988	26.00	29.00	28.00	27.00	33.00	56.00	58.00	62.00	61.00	61.00	59.00	61.00	NA
	1989	61.00	61.00	66.00	67.00	68.00	60.00	60.00	55.00	52.00	52.00	50.00	52.00	NA
Beef Calttle	1985	56.50	58.90	58.10	56.40	54.80	49.70	45.60	49.50	49.90	51.50	52.10	48.80	53.30
(per 100 lbs)	1986	51.10	53.40	52.40	49.30	49.70	47.90	48.30	52.10	54.40	52.00	52.40	49.60	51.30
	1987	60.80	63.40	63.00	63.70	60.60	54.60	55.30	64.70	68.00	68.30	68.40	67.90	64.10
	1988	74.10	76.00	75.50	71.30	68.60	60.50	61.60	67.80	68.30	70.90	68.70	68.60	71.00
	1989	77.30	76.50	72.50	68.20	64.40	62.80	66.10	72.00	70.40	73.30	70.60	67.60	71.70
Steers & Heifers	1985	64.00	63.90	62.60	60.90	60.00	57.00	51.80	53.50	54.00	56.70	58.30	56.30	58.90
(per 100 lbs)	1986	57.80	57.40	56.00	52.60	52.90	53.10	55.10	58.70	59.50	57.70	60.20	60.90	57.00
	1987	65.10	66.80	65.80	68.20	66.40	65.30	65.20	71.80	74.10	75.40	77.60	75.60	70.00
	1988	79.20	79.80	79.20	76.40	73.80	70.60	72.90	75.60	79.70	83.60	81.40	80.00	78.30
	1989	82.10	80.30	77.60	74.20	72.30	74.10	77.20	81.60	79.80	84.00	82.30	80.60	79.90
Cows	1985	36.00	39.70	40.00	39.30	38.80	37.40	34.70	35.10	33.60	33.20	32.30	30.80	35.50
(per 100 lbs)	1986	33.40	36.10	36.50	34.10	36.60	36.60	37.10	36.40	36.30	35.00	33.50	34.00	35.10
	1987	38.80	41.60	43.50	43.50	43.10	44.50	43.90	43.70	46.50	43.80	43.00	46.60	43.60
	1988	46.50	49.60	49.10	48.20	47.30	42.40	44.30	44.80	45.90	43.50	43.50	44.70	45.60
	1989	45.60	49.50	46.80	46.10	46.70	47.00	47.30	47.60	49.30	45.80	46.30	48.60	47.10
Calves	1985	65.70	66.90	67.00	66.00	65.90	61.90	59.00	65.80	63.10	63.80	63.50	59.30	64.10
(per 100 lbs)	1986	61.70	60.30	61.60	58.40	61.10	57.80	59.70	62.50	63.60	65.10	63.80	65.90	63.50
	1987	69.30	73.00	71.90	75.20	73.90	75.20	77.40	85.30	88.10	85.80	86.70	86.40	81.60
	1988	90.50	90.90	91.90	92.00	89.50	87.90	98.80	100.00	93.20	91.10	88.70	88.10	91.90
	1989	92.80	89.30	87.40	86.20	84.70	89.90	95.80	94.80	94.00	91.80	89.50	89.90	91.00
Hogs	1985	45.20	46.30	41.30	39.00	39.40	42.50	42.60	39.90	36.80	40.60	40.40	42.30	41.70
(per 100 lbs)	1986	41.60	40.40	37.60	38.00	44.60	50.00	56.40	59.60	56.40	51.90	50.60	48.90	47.60
	1987	45.50	46.50	45.80	49.20	51.20	55.10	56.70	55.40	51.20	46.00	37.90	38.00	49.00
	1988	41.90	43.00	39.80	39.40	43.90	43.10	39.10	40.70	36.70	35.20	32.40	37.10	39.40
	1989	38.00	37.50	36.30	34.00	38.30	41.20	41.50	41.50	40.30	43.40	41.60	45.70	39.00
Sheep	1985	16.50	17.80	16.80	17.90	16.30	16.00	17.50	20.50	21.50	21.20	24.00	20.90	18.80
(per 100 lbs)	1986	25.70	22.10	19.20	17.70	20.30	18.70	21.10	21.30	21.40	23.50	27.30	24.60	21.80
	1987	24.30	20.40	21.60	20.90	20.30	22.00	21.00	19.20	24.60	33.50	28.20	25.00	24.80
	1988	29.60	29.00	21.40	19.50	15.50	15.00	15.70	21.30	19.20	23.60	27.80	25.00	21.30
	1989	20.60	33.50	24.30	24.70	14.10	18.30	18.60	16.00	17.30	22.20	24.80	30.70	21.40
Lambs	1985	61.60	64.90	66.40	60.20	58.10	64.40	68.70	70.20	68.60	64.70	64.50	62.90	65.30
(per 100 lbs)	1986	63.90	67.20	62.80	67.00	72.30	73.00	71.60	68.90	64.60	62.40	67.80	76.40	67.80
	1987	79.90	79.70	80.40	79.30	81.70	76.60	75.20	76.10	78.80	80.20	74.60	79.60	78.20
	1988	86.00	83.70	77.00	64.40	68.20	60.40	60.50	58.90	63.70	65.90	66.60	69.50	67.80
	1989	67.30	69.50	71.60	74.10	73.40	69.20	65.30	63.70	65.50	62.10	56.00	61.50	65.30
Milk Cows	1985	740	---	---	770	---	---	740	---	---	700	---	---	740
(per head)	1986	630	---	---	640	---	---	660	---	---	700	---	---	660
	1987	700	---	---	770	---	---	800	---	---	850	---	---	780
	1988	850	---	---	890	---	---	790	---	---	835	---	---	840
	1989	850	---	---	865	---	---	875	---	---	860	---	---	865
Milk, Wholesale	1985	12.70	12.40	12.10	11.60	11.20	10.90	10.70	10.90	11.10	11.30	11.40	11.40	11.40
(per cwt)	1986	11.20	11.10	11.00	10.90	10.80	10.70	10.80	11.10	11.80	12.10	12.30	12.20	11.30
	1987	11.90	11.60	11.40	11.00	10.80	10.50	10.70	10.90	11.30	11.50	11.40	11.20	11.10
	1988	10.90	10.70	10.50	10.30	10.10	9.80	10.20	10.60	11.50	12.20	12.40	12.40	10.90
	1989	12.10	11.60	11.20	10.90	11.00	11.10	11.30	11.90	12.80	13.70	14.60	15.30	12.20

1/ Crops prices are open market prices and do not make an allowance for unredeemed loans. NA - Not Available.

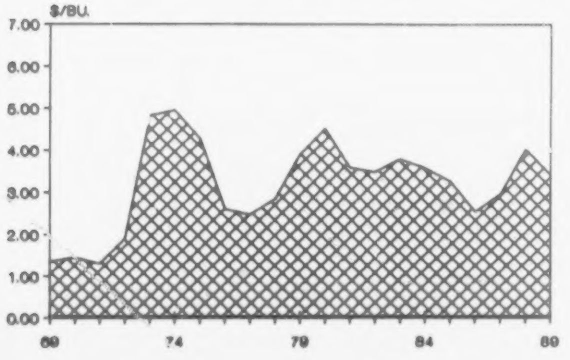
NORTH DAKOTA PRICES

Prices Received by Producers, North Dakota, Crops of 1985-89 1/

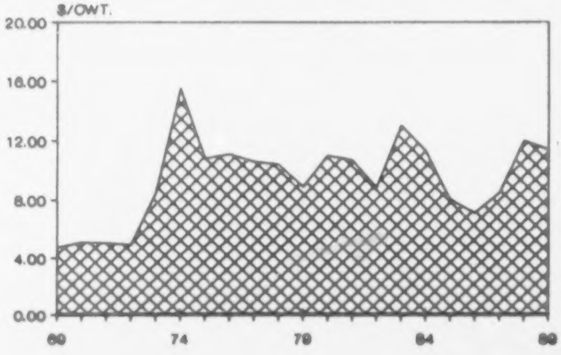
Crop	Crop Year	Northwest	North Central	Northeast	West Central	Central	East Central	Southwest	South Central	Southeast	Mktg. Yr. Average
						--- Dollars per Bushel ---					
All Wheat	1985	3.13	3.16	3.29	3.27	3.28	3.25	3.38	3.51	3.40	3.26
	1986	2.35	2.6[illegible]	2.57	2.62	2.57	2.58	2.76	2.63	2.74	2.54
	1987	3.10	2.94	2.87	2.85	3.32	2.89	2.86	2.92	2.85	2.95
	1988	4.02	4.12	4.02	4.06	4.06	3.89	3.92	4.04	3.93	4.02
	1989 2/	3.30	3.32	3.51	3.46	3.52	3.62	3.44	3.46	3.63	3.41
Durum Wheat	1985	3.10	3.17	3.24	3.08	3.21	3.23	3.16	3.16	3.25	3.16
	1986	2.68	2.82	2.73	2.92	2.53	3.02	3.01	3.09	2.98	2.66
	1987	3.38	3.18	3.27	3.10	3.72	3.59	3.27	3.17	3.40	3.38
	1988	4.52	4.36	4.75	4.35	4.69	4.46	4.39	5.35	4.36	4.60
	1989 2/	3.21	3.32	3.38	3.51	3.36	3.42	3.19	3.35	3.49	3.30
Spring Wheat Other than Durum	1985	3.19	3.16	3.32	3.35	3.32	3.25	3.43	3.53	3.44	3.34
	1986	2.00	2.45	2.48	2.47	2.61	2.56	2.72	2.61	2.78	2.52
	1987	2.66	2.53	2.67	2.62	2.98	2.83	2.79	2.91	2.79	2.80
	1988	3.59	3.77	3.81	3.86	3.79	3.87	3.89	3.84	3.89	3.76
	1989 2/	3.36	3.35	3.57	3.44	3.57	3.64	3.45	3.47	3.64	3.45
Oats	1985	1.04	1.03	1.08	1.06	1.06	1.02	1.20	1.19	1.06	1.05
	1986	1.25	1.23	1.17	1.28	1.21	1.16	1.35	1.25	1.21	1.20
	1987	1.64	1.59	1.55	1.49	1.53	1.64	1.56	1.65	1.60	1.57
	1988	2.25	2.02	2.22	2.28	2.10	2.36	2.42	2.79	2.22	2.34
	1989 2/	1.19	1.20	1.16	1.20	1.31	1.22	.92	1.23	1.27	1.20
Malting Barley	1985	1.77	1.69	1.66	1.49	1.72	1.85	1.77	1.72	1.77	1.74
	1986	1.51	1.57	1.44	1.40	1.39	1.54	2.00	---	1.63	1.50
	1987	1.50	1.71	1.96	2.60	1.90	2.03	2.13	---	1.74	1.86
	1988	2.95	2.77	3.29	3.13	2.84	3.80	2.75	2.53	3.14	3.32
	1989 2/	2.27	2.29	2.55	---	2.16	2.79	---	---	2.48	2.50
Feed Barley	1985	1.51	1.48	1.44	1.52	1.50	1.44	1.74	1.51	1.54	1.47
	1986	1.28	1.28	1.22	1.37	1.28	1.35	1.46	1.42	1.34	1.25
	1987	1.32	1.34	1.42	1.33	1.44	1.60	1.42	1.52	1.57	1.45
	1988	2.14	2.17	2.20	2.23	2.06	2.08	2.33	2.10	2.24	2.16
	1989 2/	1.98	1.96	1.77	1.73	1.70	1.70	1.83	1.86	1.72	1.80
All Barley	1985	1.71	1.56	1.55	1.52	1.54	1.74	1.74	1.55	1.74	1.60
	1986	1.42	1.51	1.30	1.37	1.32	1.46	1.46	1.42	1.58	1.37
	1987	1.37	1.61	1.79	1.78	1.68	1.94	1.42	1.52	1.71	1.70
	1988	2.77	2.55	3.07	2.60	2.44	3.61	2.33	2.10	2.51	2.97
	1989 2/	2.16	2.09	2.32	1.73	1.80	2.55	1.83	1.86	1.93	2.15
Flaxseed	1985	4.95	4.89	4.90	4.97	5.09	5.12	5.95	4.84	5.36	5.00
	1986	3.36	3.45	3.44	3.43	3.52	3.69	2.83	3.46	3.51	3.45
	1987	3.36	3.42	3.38	3.31	3.52	3.65	3.31	3.19	3.46	3.39
	1988	7.82	7.55	7.20	7.64	7.95	7.90	8.07	7.91	7.92	7.54
	1989 2/	7.30	7.06	7.02	6.89	7.20	4.15	6.66	6.91	7.18	7.30
						--- Dollars per Hundredweight ---					
All Sunflower	1985	6.49	6.98	10.59	7.29	7.84	10.49	7.00	6.97	8.65	8.01
	1986	6.28	6.73	8.55	6.69	6.93	8.67	7.05	6.70	8.09	7.10
	1987	7.36	7.45	9.22	7.38	8.17	9.12	7.42	6.95	9.32	8.46
	1988	10.84	11.05	14.12	11.13	11.46	14.37	10.65	10.11	13.47	12.00
	1989 2/	9.46	9.50	12.17	9.33	9.80	13.67	8.61	9.05	11.28	11.40

1/ Crops prices are open market prices and do not make an allowance for unredeemed loans. 2/ Preliminary, based on prices thru March 1990.

ALL WHEAT
MARKETING YEAR AVERAGE PRICE
NORTH DAKOTA, 1969 - 89



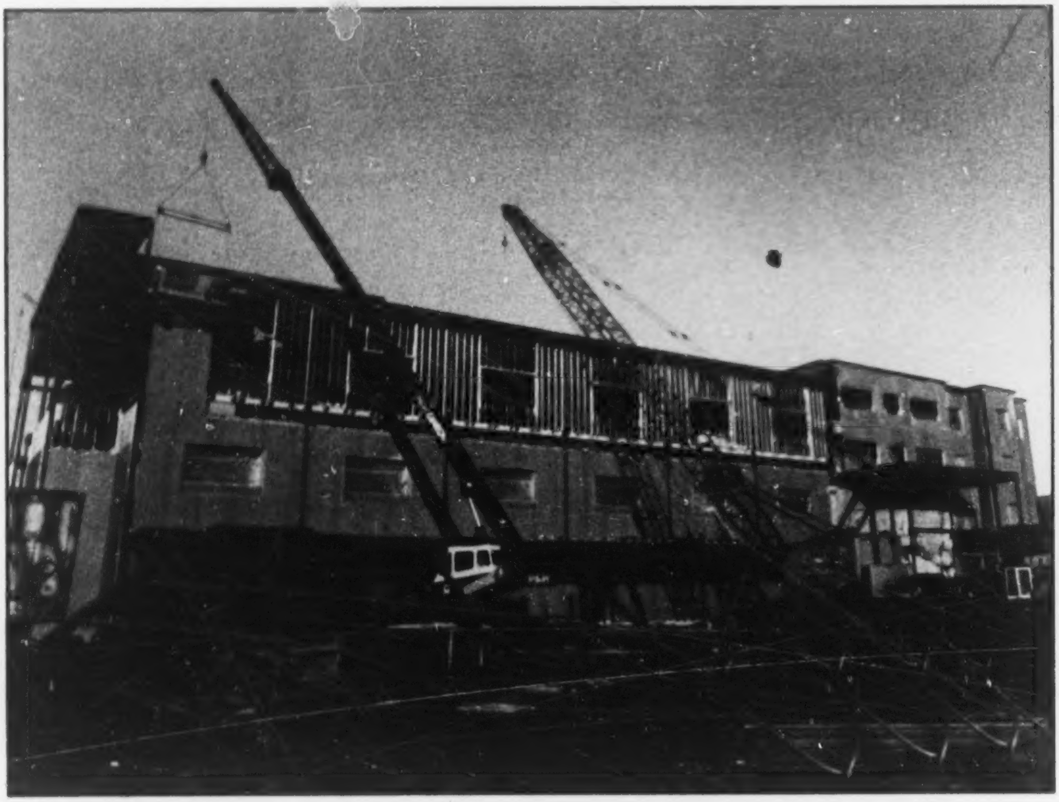
ALL SUNFLOWER
MARKETING YEAR AVERAGE PRICE
NORTH DAKOTA, 1969 - 89



- NOTES -

MISCELLANEOUS

FERTILIZER
EXPORTS
CUSTOM RATES
STATE STATISTICAL OFFICES
ORDER FORMS



Crop & Weed Science Building Under Construction, 1990

FERTILIZER & EXPORTS

Consumption of Fertilizer and Plant Nutrients, North Dakota, 1984-89

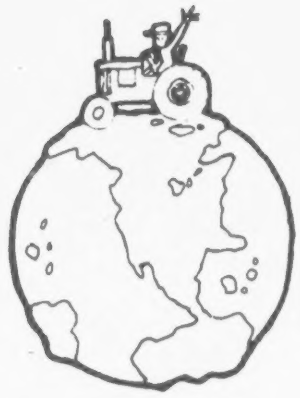
Year Ended June 30	Gross Tonages				Nutrient Content			
	Mixed Fertilizer	Primary Nutrient Material	Secondary & Micro-Nutrients	Total	N	Available P_2O_5	K_2O	Total
	- - - Tons - - -							
1984	254,123	295,954	1,284	551,361	214,416	108,609	19,000	342,025
1985	298,760	378,253	1,577	678,590	268,598	125,798	24,707	419,103
1986	318,582	440,851	1,841	761,274	311,023	138,995	23,181	473,199
1987	328,263	447,943	990	777,201	318,176	139,035	26,750	483,961
1988	326,857	405,633	4,120	736,610	283,725	138,960	29,892	452,577
1989	327,147	287,334	3,750	618,231	209,228	138,412	25,725	373,364

Source: Tennessee Valley Authority.

Fertilizer Use on Wheat Acreage Harvested, North Dakota, 1984-89

Year	Acres for Harvest	Fields in Survey	Acres Receiving				Application Rates			Proportion Fertilized 1/		
			Any Fertilizer	N	P_2O_5	K_2O	N	P_2O_5	K_2O	At or Before Seeding	After Seeding	Both
	(000)	(No.)	- - - Percent - - -				- - - Pounds - - -			- - - Percent - - -		
ALL WHEAT												
1984	8,660	254	72.0	72.0	63.0	5.0	43.0	25.0	19.0	98.0	2.0	0.0
1985	8,870	234	72.0	72.0	64.0	9.0	38.0	29.0	18.0	99.0	0.0	1.0
1986	9,380	250	81.0	81.0	70.0	7.0	44.0	27.0	14.0	98.0	1.0	1.0
1987	8,950	240	80.0	80.0	70.0	11.0	51.0	28.0	17.0	98.0	0.0	2.0
1988	7,100	240	75.0	75.0	67.0	9.0	47.0	29.0	16.0	97.0	0.0	2.0
1989	10,700	249	73.0	73.0	61.0	9.0	41.0	28.0	19.0	98.0	1.0	1.0
DURUM WHEAT												
1987	2,850	131	70.0	70.0	56.0	6.0	46.0	28.0	13.0	97.0	1.0	2.0
1988	2,500	125	66.0	66.0	55.0	3.0	39.0	27.0	*	98.0	1.0	1.0
1989	3,000	134	70.0	70.0	60.0	3.0	33.0	26.0	*	98.0	2.0	0.0
OTHER SPRING WHEAT												
1987	6,100	109	84.0	84.0	76.0	14.0	53.0	29.0	17.0	98.0	0.0	2.0
1988	4,600	105	79.0	79.0	73.0	12.0	50.0	30.0	17.0	99.0	0.0	1.0
1989	7,700	115	74.0	74.0	62.0	11.0	44.0	29.0	20.0	98.0	1.0	1.0

1/ Percentages apply to acres receiving fertilizer. * Insufficient Data. Source: Agricultural Resources, Input Situation & Outlook, February 1990.



Value of Export Shares of Agricultural Commodities, North Dakota, 1987-89 1/

Commodity or Group	1987		1988		1989	
	Dollars	% of U.S.	Dollars	% of U.S.	Dollars	% of U.S.
	(Mil.)	(Pct.)	(Mil.)	(Pct.)	(Mil.)	(Pct.)
Wheat & Products	542.1	17.4	539.5	11.5	436.7	6.9
Feed Grains & Products	111.7	2.4	113.8	1.5	85.5	1.0
Sunflower Seed & Oil	109.1	71.1	184.5	79.6	109.0	70.2
Soybeans & Products	48.8	.8	60.2	.9	46.3	.8
Vegetables & Preparations	44.0	3.7	31.7	2.5	31.8	2.1
Dairy Products	3.7	.8	3.8	.7	3.0	.6
Animals & Meats excluding Poultry	7.2	.4	7.3	.3	13.8	.5
Hides & Skins	5.9	.4	4.0	.2	8.1	.5
Fats, Oils & Greases	1.7	.4	1.3	.2	2.6	.5
Feeds & Fodder	36.7	5.5	40.4	4.6	49.0	4.6
Seeds	11.1	3.0	12.4	3.0	15.0	3.0
Other	26.6	1.6	28.6	1.5	32.9	1.3
TOTAL	948.6	3.4	1,027.5	2.9	833.7	2.1

Source: Foreign Agricultural Trade of U.S. - E.R.S. 1/ State export shares are based upon North Dakota's portion of U.S. production or farm sales of individual commodities. Refining this procedure includes using sales data from the census of agriculture, Customs District shipments, feed-livestock balances, Agricultural Marketing Service reports, and commodity market information.

CUSTOM FARM WORK RATES

State-Wide Averages, North Dakota, 1989 with Comparisons

Operation	Average Rate		1989 Rates	
	1984	1986	Most Frequent Reported	Average
LAND TILLAGE	- - - Dollars/Acre - - -			
DEEP TILLAGE				
Plowing (Moldboard)	6.18	6.25	5.00	6.19
Alfalfa Sod Breaking	7.60	7.82	8.00	7.89
Heavy Disking	5.10	5.21	4.00	4.96
Deep Chisel	5.03	4.96	4.00	4.68
SHALLOW TILLAGE				
Field Cultivation (Duckfoot)	3.81	3.63	4.00	3.70
One-Way Disk	4.15	4.01	3.00	4.22
Tandem Disk	4.15	4.24	5.00	4.32
Multiple Hitch Cultivation	3.95	4.27	3.00	4.03
Rotary Hoe	2.98	3.15	3.00	3.44
Harrowing	2.45	2.29	2.00	2.61
Row Crop Cultivation				
Wide-Row (>31 in.)	3.53	3.61	3.00	3.64
Narrow-Row (<31 in.)	3.72	3.56	4.00	3.75
SMALL GRAIN SEEDING				
REGULAR DRILLING				
With Fertilizer Application	4.54	4.78	5.00	4.76
Without Fertilizer Application	4.40	4.44	5.00	4.53
PONY PRESS DRILL				
With Fertilizer Application	7.10	7.89	8.00	7.78
Without Fertilizer Application	7.07	7.69	6.00	7.09
ROW CROP PLANTING				
With Fertilizer Application				
Corn	4.89	5.05	5.00	5.39
Soybeans	4.78	5.22	5.00	5.98
Dry Edible Beans	5.31	5.08	5.00	6.12
Sunflower	5.08	5.25	5.00	5.14
FERTILIZER APPLICATION				
Dry Fertilizer - Broadcast	2.44	2.29	2.50	2.42
Liquid Fertilizer	3.23	3.10	3.00	3.18
Anhydrous Ammonia - Chisel	4.95	4.90	5.00	4.92
CHEMICAL APPLICATION				
BY SURFACE VEHICLES				
Herbicides	2.19	2.02	2.00	2.21
Insecticides	2.23	2.27	2.00	2.37
Fungicides	2.44	2.50	3.00	2.61
Desiccants	2.34	2.47	3.00	2.69
BY AIRCRAFT				
Herbicides	3.04	2.96	3.00	3.16
Insecticides	3.14	3.03	3.00	3.23
Fungicides	3.23	3.17	3.50	3.30
Desiccants	3.24	3.20	3.00	3.22
HARVESTING CROPS				
SWATHING				
Self-Propelled	3.73	3.67	4.00	3.94
PTO Unit	3.36	3.39	3.00	3.68
COMBINING FROM SWATHS				
Wheat, All	12.59	11.64	12.00	11.85
Barley	12.62	11.61	12.00	11.79
Flaxseed	12.56	11.78	12.00	12.06
Soybeans	14.17	13.41	15.00	13.79
Dry Edible Beans	15.04	14.65	15.00	16.27
COMBINING, STRAIGHT				
Wheat, All	12.57	11.71	12.00	11.80
Corn	14.83	14.46	15.00	14.05
Sunflower	13.26	12.54	12.00	12.40
Soybeans	14.68	14.08	15.00	14.20
DRY BEAN HARVESTING				
Cutting Only	7.37	7.88	7.00	7.49
Windrowing	4.77	4.32	4.00	4.49
Cutting & Windrowing	13.00	12.06	10.00	12.03

Operation	Average Rate		1989 Rates	
	1984	1986	Most Frequent Reported	Average
HAYING	- - - Dollars/Acre - - -			
Mowing	3.28	3.49	3.00	4.26
Mowing & Conditioning	5.10	5.28	5.00	5.55
Swathing	4.26	4.11	3.00	4.21
Side Delivery Raking	2.04	2.28	2.00	2.36
BALING	- - - Dollars/Bale - - -			
Square bales with twine	.34	.34	.25	.34
Round bales 800-999 lbs.	4.49	4.24	5.00	4.36
Round bales 1000-1500 lbs.	5.06	4.91	5.00	5.03
Round bales over 1500 lbs.	5.54	5.40	5.00	5.58
MECHANIZED LOOSE HAY STACKING	- - - Dollars/Stack - - -			
1.5-3 Ton Stack	18.32	18.14	15.00	16.60
3-6 Ton Stack	25.50	24.92	25.00	25.33
More than 6 Ton Stack	26.32	28.32	20.00	27.52
MAKING CORN SILAGE	- - - Dollars/Unit - - -			
FIELD CHOPPING ONLY				
Per Acre	16.41	16.06	20.00	16.83
Per Hour	43.50	44.83	20.00	38.21
FIELD CHOPPING PLUS HAULING				
Per Acre	21.22	19.54	20.00	20.02
Per Hour	44.57	46.27	50.00	50.51
DRYING GRAIN	- - - Dollars/Bu. - - -			
Wheat, All	.151	.132	.100	.119
Barley	.153	.129	.100	.120
Corn	.176	.164	.100	.126
Flax	.172	.153	.100	.124
Sunflower (per cwt.)	.309	.204	.100	.200
HAULING CHARGES				
HAULING GRAIN				
Wheat, All	.095	.096	.100	.092
Barley	.091	.093	.100	.089
Flax	.096	.088	.100	.094
Corn	.091	.086	.100	.085
Sunflower (per cwt.)	.165	.168	.100	.202
HAULING HAY	- - - Dollars/Bale - - -			
Small Square Bales	.166	.156	.100	.144
Large Round Bales				
800-999 lbs.	2.38	1.91	.50	1.35
1000-1500 lbs.	2.72	2.51	1.00	1.41
MOVING LOOSE HAYSTACKS	- - - Dollars/Stack - - -			
1.5-3 Ton	11.18	10.08	4.00	7.90
3-6 Ton	11.97	9.77	5.00	8.74
More than 6 Ton	12.44	12.79	10.00	12.87
CLEANING & TREATING	- - - Dollars/Bushel - - -			
SEED GRAIN				
Cleaning Only	.275	.277	.250	.291
Treating Only	.404	.393	.500	.437
Cleaning & Treating	.678	.643	.500	.718
MISCELLANEOUS	- - - Dollars/Acre - - -			
CUSTOM FARMING				
Small Grains	NA	34.44	30.00	32.02
Row Crops	NA	42.09	40.00	40.11
BRANDING CALVES	1.13	1.20	1.00	1.19
SHEARING SHEEP	1.39	1.53	1.50	1.51
DIGGING POST HOLES	1.65	1.98	1.00	1.71
Average Depth (feet)	3.00	3.50	4.00	3.49
FEED GRINDING & MIXING				
Mobile Truck - On-Farm	23.68	23.57	15.00	21.40
PTO Unit - On-Farm	16.08	15.37	10.00	19.63
Farm Drainage/Ditching	56.80	54.48	50.00	50.34
Land Leveling	55.21	51.17	50.00	48.03
Rock Picking	35.69	35.34	50.00	37.55

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June 1990

National Agricultural Statistics Service Order Form

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Poultry Slaughter (monthly)			
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Dairy Products (monthly plus annual *Summary*)	___$20	___$37	___$52
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Other Series			
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Order form continued on next page.

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The reference table below shows where to find historic estimates. County estimates for most major crops were begun in 1919 and for livestock in 1925 although there are exceptions to both as indicated in the table. Separate estimates of the production of corn for grain were begun in 1957. Estimates of commercial grain storage capacity were not made in 1959, nor in 1961-64 and were discontinued after 1986.

Estimates for all livestock are on a January 1 inventory number basis until 1968 for hogs and 1970 for chickens when the reference date was changed to December 1.

PUBLICATION REFERENCE

Item	Agricultural Statistics							
	No. 3	No. 33	No. 36	No. 43	No. 46	No. 49	No. 54	No. 59
Cost	FREE	FREE	FREE	FREE	FREE	FREE	$5.00	$8.00
Wheat, All	1919-54	1955-70		1971-75		1976-79	1980-83	1984-89
Winter 1/		1964-70		1971-75		1976-79	1980-83	1984-89
Durum	1929-54	1955-70		1971-75		1976-79	1980-83	1984-89
Other Spring	1929-54	1955-70		1971-75		1976-79	1980-83	1984-89
Oats	*1919-54		1955-70	1971-75		1976-79	1980-83	1984-89
Barley	*1919-54		1955-70	1971-75		1976-79	1980-83	1984-89
Rye	*1919-54		1955-70	1971-75		1976-78	1979-83	1984-89
Flaxseed	*1919-54				1955-75	1976-79	1980-83	1984-89
Corn	*1919-54		1955-69	1970-75		1976-79	1980-83	1984-89
Soybeans 2/					1954-75	1976-79	1980-83	1984-89
Potatoes	*1919-54				1955-75	1976-79	1980-83	1984-89
Sugarbeets					1958-75	1976-79	1980-83	1984-89
Sunflower					1969-75	1976-79	1980-83	1984-89
Dry Edible Beans						1977-79	1980-83	1984-89
Dry Field Peas					1959-69	ESTIMATES DISCONTINUED		
Hay, By Kind	*1919-54				1955-75	1976-78	1979-83	1984-89
Summer Fallow					1949-75	1976-79	1980-83	1984-89
Grain Storage (Commercial)					1958-75	1976-79	1980-85	
LIVESTOCK INVENTORY								
	No. 7	No. 17	No. 30					
Cattle, All	1925-60	1961-66	1967-71	1972-76		1977-79	1980-84	1985-90
Milk Cows	1925-60	1961-66	1967-71	1972-76		1977-79	1980-84	1985-90
Hogs, All	1925-60	1961-66	1967-70	1971-75		1976-78	1979-83	1984-89
Sheep, All	1925-40			1971-76		1977-79	1980-84	1985-90
Stock Sheep	1941-60	1961-66	1967-71	1972-75	COUNTY ESTIMATES DISCONTINUED			
Chickens, All	1951-60	1961-66	1967-70	1971-73	COUNTY ESTIMATES DISCONTINUED			
Horses, All	1925-49			ESTIMATES DISCONTINUED				
HISTORIC PERSPECTIVES								
	Unnumbered	No. 14	No. 24	No. 39	No. 55	No. 56		
Crop Weather		1950-65		1965-75	1976-85			
Price Trends	1910-57		1950-59			1960-86		

* Bulletin No. 2 for flaxseed; No. 5 for oats, barley and rye; No. 9 for corn, potatoes and hay. 1/ Included in other spring wheat prior to 1964. 2/ Bulletin No. 3 for 1924-53 state estimates.

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